

Attachment B: Analysis and Visualization System (AVS) Lookup Tables

Table B-1. Site List¹

Ops	Site Code	Site Abbr	Site Name
AL	BSBO	BSBO	Bowman, ND
AL	BSBS	BSBS	Belfield, ND
AL	CHEN	CHEN	Cheney Disposal Cell
AL	GJPO	GJPO	Grand Junction Office
AL	KSCP	KCP	Kansas City Plant
AL	LANL	LANL	Los Alamos National Laboratory
AL	LRRI	ITRI	Lovelace Respiratory Research Institute
AL	MAMS	MAMS	Maybell, CO
AL	MFDS	MFDS	Maxey Flats Disposal Site
AL	MRAP	MRAP	Monticello Remedial Action Project
AL	NASI	NASI	Naturita, CO
AL	NERS	NERS	New Rifle, CO
AL	OLNC	OLNC	Slick Rock Old North Continent, CO
AL	OLRS	OLRS	Old Rifle, CO
AL	PAPL	PNTX	Pantex Plant
AL	PIPL	PIPL	Pinellas Plant
AL	SNLC	SNLC	Sandia National Laboratories - CA
AL	SNLN	SNLN	Sandia National Laboratories - NM
AL	SVSS	SVSS	South Valley Superfund Site
AL	UMGW	UMGW	UMTRA Groundwater
AL	UMSW	UMSW	UMTRA Surface
AL	UNCC	UNCC	Slick Rock Union Carbide, CO
CB	WIPP	WIPP	Waste Isolation Pilot Plant

Ops	Site Code	Site Abbr	Site Name
CH	AMES	AMES	Ames Laboratory
CH	ANLE	ANLE	Argonne National Laboratory - East
CH	ANLW	ANLW	Argonne National laboratory - West
CH	BRNL	BNL	Brookhaven National Laboratory
CH	FNAL	FNAL	Fermi National Accelerator Laboratory
CH	PPPL	PPPL	Princeton Plasma Physics Laboratory
CH	SAFP	SAFP	Site A/Plot M
ID	INEL	INEL	Idaho National Engineering and Environmental Laboratory
NR	BAPL	BAPL	Bettis Atomic Power Laboratory
NR	CNS	CNS	Charleston Naval Shipyard
NR	KAPL	KAPL	Knolls Atomic Power Laboratory - Schenectady
NR	KESS	KESS	Knolls Atomic Power Laboratory - Kesselring
NR	KWIN	KWIN	Knolls Atomic Power Laboratory - Windsor
NR	MINS	MINS	Mare Island Naval Shipyard
NR	NAVY	NAVY	Naval Reactors Site - TBD
NR	NNS	NNS	Norfolk Naval Shipyard
NR	NRF	NRF	Naval Reactor Facility
NR	PHNS	PHNS	Pearl Harbor Naval Shipyard
NR	PNS	PNS	Portsmouth Naval Shipyard
NR	PSNS	PSNS	Puget Sound Naval Shipyard
NV	AINP	AINP	Amchitka Island
NV	CNTS	CNTS	Central Nevada Test Site

¹This geographic site list includes Non-EM sites that are either generators or receivers.

Ops	Site Code	Site Abbr	Site Name
NV	GRD	GRD	Geologic Repository Disposal
NV	NVTS	NTS	Nevada Test Site
NV	PGTS	PGTS	Gnome-Coach
NV	PRBS	PRBS	Rio Blanco
NV	PRGB	PRGB	Gasbuggy
NV	PRRS	PRRS	Rulison
NV	PRST	PRST	Shoal Site
NV	SATS	SATS	Salmon Site
NV	TOTR	TOTR	Tonopah Test Range Area
OH	AEMP	RMI	Ashtabula Environmental Management Project
OH	CEMK	BCLK	Columbus Environmental Management Project - King Avenue
OH	CEMP	BCLJ	Columbus Environmental Management Project - West Jefferson
OH	FEMP	FEMP	Fernald Environmental Management Project
OH	MEMP	MND	Miamisburg Environmental Management Project
OH	WVDP	WVDP	West Valley Demonstration Project
OK	ETEC	ETEC	Energy Technology Engineering Center
OK	GEAT	GA	General Atomics
OK	GENC	GE	General Electric Vallecitos Nuclear Center
OK	GETF	GTF	Geothermal Test Facility
OK	LABL	LBNL	Lawrence Berkeley National Laboratory
OK	LEHR	LEHR	Laboratory for Energy-Related Health Research
OK	LLLS	LLN3	Lawrence Livermore National Laboratory - Site 300
OK	LLMS	LLNL	Lawrence Livermore National Laboratory - Main Site
OK	MURR	MURR	Missouri University Research Reactor
OK	SLAC	SLAC	Stanford Linear Accelerator Center
OK	SPRU	SPRU	Separations Process Research Unit
OR	ASHO	ASHO	Ashland 2

Ops	Site Code	Site Abbr	Site Name
OR	ASOI	ASOI	Ashland 1
OR	BLLS	BLLS	Bliss & Laughlin Steel
OR	CEER	CEER	Center for Energy and Environmental Research
OR	COEN	COEN	Combustion Engineering
OR	COSI	COSI	Colonie
OR	DUCO	DUCO	Dupont & Company
OR	LAAP	LAAP	Latty Avenue Properties
OR	LIAP	LIAP	Linde Air Products
OR	LUCK	LUCK	Luckey
OR	MACW	MACW	Maywood
OR	MDSN	MDSN	Madison
OR	MISP	MISP	Middlesex Sampling Plant
OR	NEBS	NEBS	New Brunswick Site
OR	NFSS	NFSS	Niagara Falls Storage Site
OR	ORTN	ORR	Oak Ridge Reservation
OR	PAIN	PAIN	Painesville
OR	PGDP	PGDP	Paducah Gaseous Diffusion Plant
OR	PORT	PORT	Portsmouth Gaseous Diffusion Plant
OR	SEIP	SEIP	Seaway Industrial Park
OR	SHLF	SHLF	Shpack Landfill
OR	SLAS	SLAS	St. Louis Airport Site
OR	SLDS	SLDS	St. Louis Downtown Site
OR	SLVP	SLVP	St. Louis Airport Site (Vicinity Properties)
OR	VTRN	VTRN	Ventron
OR	WISS	WISS	Wayne

Ops	Site Code	Site Abbr	Site Name
OR	WRGC	WRGC	W.R. Grace & Company
OR	WSSP	WSSP	Weldon Spring Site
RF	RFTS	RFTS	Rocky Flats Environmental Technology Site
RL	HASI	HANF	Hanford Site
SR	SARS	SRS	Savannah River Site
	ARCO	ARCO	ARCO Medical Products Company
	ARMY	ARMY	U.S. Army Material Command
	BW	BW	Babcock & Wilcox - NES
	COMM	COMM	Commercial Site - TBD
	DOE	DOE	DOE Site - TBD
	DRR	DRR	Domestic Research Reactors
	DSSI	DSSI	Diversified Scientific Services, Inc.
	ENVR	ENVR	Envirocare
	FRR	FRR	Foreign Research Reactors
	FSV	FSV	Fort Saint Vrain
	MIT	MIT	Massachusetts Institute of Technology
	NFS	NFS	Nuclear Fuel Services, Inc.
	NSSI	NSSI	Nuclear Sources and Services, Inc.
	QDRX	QDRX	Quadrex
	RPI	RPI	Rensselaer Polytechnic Institute
	SEG	SEG	Scientific Ecology Group
	TBD	TBD	To Be Determined
	TBDO	TBDO	To Be Determined/Off-Site
	UU	UU	University of Utah

Table B-2. Initial TSD System List

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
AL	GJPO	00148	ER	Cheney	DOE	Cheney Disposal Cell	Disposal	Grand Junction - UMTRA Cell Disposal (Cheney)
AL	KCP	00322	ER	KCP	DOE	Unspecified-1	Chemical/Electrolytic Oxidation	On-Site Chemical/Electrical Oxidation Treatment
AL	LANL	00331	LLW	LANL	DOE	Technical Area 54/Area G	Disposal	LANL Disposal
AL	LANL	00332	LLW	LANL	DOE	Unspecified-1	Compaction	On Site Compaction
AL	LANL	00676	TRU	LANL	DOE	CMR Wing 9 Hot Cells	Treatment TBD	TBD CMR, Wing 9 Hot Cells
AL	ITRI	00317	LLW	ITRI	DOE	Unspecified-1	Compaction/Solidification/Neutralization	On-Site Compaction Solidification Neutralization
AL	ITRI	00320	TRU	SNLN	DOE	SNL Storage		SNL Storage
AL	Monticello	00454	ER	Monticello	DOE	Unspecified-1	Precipitation	Precipitation
AL	Monticello	00455	ER	Monticello	DOE	Unspecified-2	Disposal	On Site Disposal
AL	Pantex	00567	ER	Pantex	DOE	Landfill	Disposal	On Site Landfill
AL	Pantex	00568	ER	Pantex	DOE	Unspecified-1	Carbon Adsorption/Precipitation	Treatment (GAC & Chem. Precipitation)
AL	Pantex	00570	ER	Pantex	DOE	In-Situ Treatment	Treatment TBD	In Situ Process
AL	Pantex	00576	MLLW	Pantex	DOE	Unspecified-3	Stabilization	On Site Stabilization & Solidification
AL	Pantex	00790	ER	Pantex	DOE	Unspecified-2	Composting	On Site Composting
AL	Pinellas	00561	ER	Pinellas	DOE	Unspecified-1	Air Stripping	On Site Air Stripping Treatment
AL	SNLN	00652	ER	SNLN	DOE	CAMU Disposal	Disposal	On Site CAMU Disposal
AL	SNLN	00659	LLW	SNLN	DOE	Unspecified-1	Dewatering/Evaporation	Dewatering / Evaporation
AL	SNLN	00660	LLW	SNLN	DOE	Unspecified-2	Stabilization/Oxidation	Stabilization & Oxidation
AL	SNLN	00661	LLW	SNLN	DOE	Hot Cell	Encapsulation	Hot Cell Encapsulation
AL	SNLN	00663	MLLW	SNLN	DOE	Unspecified-3	Macroencapsulation	On Site Macroencapsulation
AL	SNLN	00666	MLLW	SNLN	DOE	Radioactive Mixed Waste Management Fac	Treatment TBD	On Site RMWMF Treatment
AL	SNLN	00675	TRU	SNLN	DOE	6596 Hot Cell	Sort/Segregate/Package	6596 Hot Cell Sort & Repackage
AL	UMTRA-GW	00761	ER	UMTRA GW	DOE	In-Situ Treatment	Treatment TBD	In Situ Treatment
AL	UMTRA-GW	00762	ER	UMTRA GW	DOE	Unspecified-1	Treatment TBD	On Site Treatment
CB	WIPP	00764	TRU	WIPP	DOE	Waste Isolation Pilot Plant	Disposal	WIPP
CH	ANLE	00009	ER	ANLE	DOE	Unspecified-1	Macroencapsulation	Macroencapsulation

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
CH	ANLE	00014	ER	ANLE	DOE	In-Situ Treatment	Air Stripping	Air Stripping
CH	ANLE	00019	LLW	ANLE	DOE	Unspecified-2	Sort/Segregate	Waste Sorting
CH	ANLE	00020	LLW	ANLE	DOE	Unspecified-3	Shredding/Compaction	Shred and/or Compact
CH	ANLE	00021	LLW	ANLE	DOE	Unspecified-4	Evaporation	LLW Evaporation & Concentration
CH	ANLE	00022	LLW	ANLE	DOE	Unspecified-5	Stabilization	Stabilization
CH	ANLE	00025	MLLW	ANLE	DOE	Alkali Metal Passivation Booth	Deactivation	Alkali Metal Passivation
CH	ANLE	00026	MLLW	ANLE	DOE	Unspecified-6	Neutralization/Precipitation	Neutralization/Precipitation
CH	ANLE	00027	MLLW	ANLE	DOE	Unspecified-7	Stabilization	Solidification/Mixing
CH	ANLE	00028	MLLW	ANLE	DOE	Unspecified-8	Dry Ice Blasting	Dry Ice Blasting
CH	ANLE	00029	MLLW	ANLE	DOE	Unspecified-9	Photo Oxidation	Photo Oxidation
CH	ANLE	00030	MLLW	ANLE	DOE	Unspecified-10	Amalgamation	On-Site Amalgamation
CH	ANLE	00034	MLLW	ANLE	DOE	Unspecified-11	Sort/Segregate	Sort/Segregate
CH	ANLE	00036	TRU	ANLE	DOE	Unspecified-12	Sort/Segregate/Package	Sort & Package to WIPP-WAC
CH	ANLE	00037	TRU	ANLE	DOE	Unspecified-13	Stabilization	Neutralization & Stabilization
CH	ANLE	00038	TRU	ANLE	DOE	Unspecified-14	Characterization/Packaging	RH-TRU Characterization, Certification & Packaging
CH	ANLE	00040	TRU	ANLE	DOE	Unspecified-15	Characterization/Certification	Characterization & Certification
CH	ANLE	00041	TRU	ANLE	DOE	Unspecified-16	Sort/Segregate	Sort/Segregate
CH	ANLW	00044	ER	ANLW	DOE	In-Situ Treatment	Phyto-Remediation	Phyto-remediation
CH	ANLW	00287	MLLW	ANLW	DOE	Sodium Components Maintenance Shop	Deactivation	ANL-W Sodium Components Maintenance Shop
CH	ANLW	00288	MLLW	ANLW	DOE	RTF Prep Unit	Treatment TBD	ANL-W RTF RH Prep Unit
CH	BNL	00064	ER	BNL	DOE	In-Situ Treatment	Air Sparging	In-Well Air Sparging
CH	BNL	00069	LLW	BNL	DOE	Unspecified-1	Compaction	On-Site Box Compaction
CH	BNL	00070	LLW	BNL	DOE	Unspecified-2	Packaging	On-Site Packaging
CH	BNL	00071	LLW	BNL	DOE	Unspecified-3	Treatment TBD	On-Site Processing
CH	BNL	00072	LLW	BNL	DOE	Unspecified-4	Evaporation	On-Site Evaporation
CH	BNL	00075	MLLW	BNL	DOE	Unspecified-5	Neutralization	On-Site Neutralization
CH	BNL	00077	MLLW	BNL	DOE	Unspecified-6	Packaging	On-Site Packaging

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
CH	BNL	00078	MLLW	BNL	DOE	Unspecified-7	Packaging	On-Site Packaging
CH	BNL	00079	MLLW	BNL	DOE	Unspecified-8	Evaporation	On-Site Evaporation
CH	PPPL	00600	LLW	PPPL	DOE	Radioactive Waste Storage Facility	Compaction/Packaging	RWSF Compaction & Packaging
CH	PPPL	00602	MLLW	PPPL	DOE	Generator Treatment	Treatment TBD	In-Container Treatment
HQ	HQ	00822		Envirocare	COMM	Envirocare	Stabilization	
HQ	HQ	00823		SEG	COMM	Scientific Ecology Group	Metal Recycle	
HQ	HQ	00824		SEG	COMM	Scientific Ecology Group	Incineration	
HQ	HQ	00825		SEG	COMM	Scientific Ecology Group	Stabilization	
HQ	HQ	00826		DSSI	COMM	Diversified Scientific Services Inc.	Treatment TBD	
HQ	HQ	00827		HLW Repos	DOE	Geologic Repository	Disposal	
HQ	HQ	00828		SEG	COMM	Scientific Ecology Group	Compaction	
HQ	HQ	00829		SEG	COMM	Scientific Ecology Group	Metal Melting	
HQ	HQ	00830		Envirocare	COMM	Envirocare	Macroencapsulation	
HQ	HQ	00831		SEG	COMM	Scientific Ecology Group	Treatment TBD	
HQ	HQ	00832		COMM	COMM	Commercial-1	Amalgamation	
HQ	HQ	00833		COMM	COMM	Commercial-2	Carbon Regeneration	
HQ	HQ	00834		COMM	COMM	Commercial-3	Compaction	
HQ	HQ	00835		COMM	COMM	Commercial-4	Cyanide Destruction	
HQ	HQ	00836		COMM	COMM	Commercial-5	Decontamination	
HQ	HQ	00837		COMM	COMM	Commercial-6	Disposal	
HQ	HQ	00838		COMM	COMM	Commercial-7	Encapsulation	
HQ	HQ	00839		COMM	COMM	Commercial-8	Incineration	
HQ	HQ	00840		COMM	COMM	Commercial-9	Macroencapsulation	
HQ	HQ	00841		COMM	COMM	Commercial-10	Mercury Treatment	
HQ	HQ	00842		COMM	COMM	Commercial-11	Metal Recycle	
HQ	HQ	00843		COMM	COMM	Commercial-12	Puncturing/Decanting	
HQ	HQ	00844		COMM	COMM	Commercial-13	Recycle	
HQ	HQ	00845		COMM	COMM	Commercial-14	Sizing	
HQ	HQ	00846		COMM	COMM	Commercial-15	Stabilization	
HQ	HQ	00847		COMM	COMM	Commercial-16	Thermal Treatment	

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
HQ	HQ	00848		COMM	COMM	Commercial-17	Treatment TBD	
HQ	HQ	00849		COMM	COMM	Commercial-18	Treatment TBD/Disposal	
HQ	HQ	00850		Envirocare	COMM	Envirocare	Stabilization/Disposal	
HQ	HQ	00851		COMM	COMM	Commercial-19	Encapsulation/Disposal	
HQ	HQ	00852		COMM	COMM	Commercial-20	Stabilization/Disposal	
HQ	HQ	00853		COMM	COMM	Commercial-21	Macroencapsulation/Disposal	
HQ	HQ	00854		COMM	COMM	Commercial-22	Incineration/Disposal	
HQ	HQ	00855		COMM	COMM	Commercial-23	Amalgamation/Disposal	
HQ	HQ	00856		TBD	TBD	TBD-1	Treatment TBD	
HQ	HQ	00857		TBD	TBD	TBD-2	Characterization/Packaging	
HQ	HQ	00858		TBD	TBD	TBD-3	Extraction	
HQ	HQ	00859		TBD	TBD	TBD-4	Extraction/Stabilization	
HQ	HQ	00860		TBD	TBD	TBD-5	Incineration	
HQ	HQ	00861		TBD	TBD	TBD-6	Size Reduction	
HQ	HQ	00862		TBD	TBD	TBD-7	Sort/Segregate/Package	
HQ	HQ	00863		TBD	TBD	TBD-8	Sort/Segregate/Size Reduce/Package	
HQ	HQ	00864		TBD	TBD	TBD-9	Stabilization	
HQ	HQ	00865		TBD	TBD	TBD-10	Disposal	
ID	Idaho	00212	ER	Idaho	DOE	Unspecified-1	Sort/Segregate	Separation
ID	Idaho	00214	ER	Idaho	DOE	In-Situ Treatment	Vapor Vacuum Extraction	Vapor Vacuum Extraction
ID	Idaho	00215	ER	Idaho	DOE	Unspecified-2	Air Stripping/Carbon Adsorption	Air Strip/Carbon Absorb.
ID	Idaho	00216	ER	Idaho	DOE	In-Situ Treatment	Stabilization	In Situ Stabilization & Capping
ID	Idaho	00217	ER	Idaho	DOE	In-Situ Treatment	Stabilization	In Situ Stabilization & Capping
ID	Idaho	00218	ER	Idaho	DOE	In-Situ Treatment	Vitrification	In Situ Vitrification & Institutional Control
ID	Idaho	00219	ER	Idaho	DOE	In-Situ Treatment	Vitrification	In Situ Vitrification & Institutional Control
ID	Idaho	00220	ER	Idaho	DOE	In-Situ Treatment	Land Farming	Land Farming
ID	Idaho	00225	ER	Idaho	DOE	Unspecified-17	Disposal	TBD On Site Disposal (ICDF)

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
ID	Idaho	00248	ER	Idaho	DOE	Unspecified-18	Disposal	TBD On Site Disposal
ID	Idaho	00249	ER	Idaho	DOE	Pit 9	Disposal	Pit 9 Disposal
ID	Idaho	00251	ER	Idaho	DOE	Unspecified-3	Consolidation	Consolidation
ID	Idaho	00252	HLW	Idaho	DOE	HLW Tanks	Stabilization	Tank Stabilization
ID	Idaho	00253	HLW	Idaho	DOE	INTEC-659	Filter Leaching	INTEC-659 Filter Leach
ID	Idaho	00254	HLW	Idaho	DOE	INTEC-659	Debris Treatment	INTEC-659 Debris Treatment/ Water Wash/ Segregation
ID	Idaho	00255	HLW	Idaho	DOE	Unspecified-4	Evaporation	HLW Evaporation
ID	Idaho	00256	HLW	Idaho	DOE	New Waste Calcining Facility	Calcination	Calcination
ID	Idaho	00257	HLW	Idaho	COMM	Unspecified-5	Grouting	Grouting (On Site Comm.)
ID	Idaho	00258	HLW	Idaho	DOE	Unspecified-6	Calcine Dissolution	Dissolution
ID	Idaho	00259	HLW	Idaho	COMM	Unspecified-7	Radionuclide Separation	Radionuclide Separation (On Site Comm.)
ID	Idaho	00260	HLW	Idaho	COMM	Unspecified-8	Vitrification	Vitrification (On Site Comm.)
ID	Idaho	00262	LLW	Idaho	DOE	Waste Experimental Reduction Facility	Sizing	WERF Sizing
ID	Idaho	00263	LLW	Idaho	DOE	Waste Experimental Reduction Facility	Compaction	WERF Compaction
ID	Idaho	00264	LLW	Idaho	DOE	Radioactive Waste Management Complex	Disposal	RWMC Disposal
ID	Idaho	00270	LLW	Idaho	DOE	Unspecified-9	Consolidation	Consolidation
ID	Idaho	00271	LLW	Idaho	DOE	Unspecified-10	Consolidation	Consolidation
ID	Idaho	00272	LLW	Idaho	DOE	Unspecified-11	Consolidation	Consolidation
ID	Idaho	00273	LLW	Idaho	DOE	Unspecified-12	Consolidation	Consolidation
ID	Idaho	00274	LLW	Idaho	DOE	Unspecified-13	Consolidation	Consolidation
ID	Idaho	00279	MLLW	Idaho	DOE	Waste Reduction Operations Complex	Macroencapsulation	WROC Macroencapsulation
ID	Idaho	00280	MLLW	Idaho	DOE	Waste Experimental Reduction Facility	Incineration	WERF Incineration
ID	Idaho	00281	MLLW	Idaho	DOE	Waste Reduction Operations Complex	Sort/Segregate/Package	WROC - Open/Seg/Blend/Repack
ID	Idaho	00282	MLLW	Idaho	DOE	Waste Reduction Operations Complex	Stabilization	WROC Stabilization
ID	Idaho	00283	MLLW	Idaho	DOE	Generator Treatment	Treatment TBD	Generator Treatment
ID	Idaho	00284	MLLW	Idaho	DOE	Unspecified-14	Cask Dismantlement	Cask Dismantlement
ID	Idaho	00297	SNF	Idaho	DOE	INTEC-666, TAN Package into Licensed Con		INTEC-666, TAN Package into Licensed Containers

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
ID	Idaho	00298	SNF	Idaho	DOE	Transfer Package & Dry		Transfer Package & Dry
ID	Idaho	00299	SNF	Idaho	DOE	Dry Transfer Cell Package Into NRC Licen		Dry Transfer Cell Package Into NRC Licensed Containers
ID	Idaho	00300	SNF	Idaho	DOE	Transfer Package & Dry		Transfer Package & Dry
ID	Idaho	00301	SNF	Idaho	DOE	Transfer Package & Dry		Transfer Package & Dry
ID	Idaho	00302	SNF	SRS	DOE	SRS Dry Interim Storage (TSF)		SRS Dry Interim Storage (TSF)
ID	Idaho	00303	SNF	Idaho	DOE	Licensed Interim Storage		Licensed Interim Storage
ID	Idaho	00305	SNF	TBD	TBD	TBD		TBD
ID	Idaho	00306	TRU	Idaho	DOE	SWEPP	Characterization	SWEPP Characterization (Drums Only)
ID	Idaho	00307	TRU	Idaho	DOE	Advanced Mixed Waste Treatment Project	Treatment TBD	AMWTP Treatment & Certification
ID	Idaho	00308	TRU	Idaho	DOE	Unspecified-15	Sort/Segregate	Sort by Ack. Knowledge & Waste Form
ID	Idaho	00309	TRU	Idaho	DOE	Radioactive Waste Management Complex	Certification	RWMC Certification & Shipping
ID	Idaho	00310	TRU	Idaho	DOE	INTEC Hot Cell	Characterization/Packaging	INTEC Hot Cell Repackaging & Characterization
ID	Idaho	00311	TRU	Idaho	DOE	Unspecified-16	Treatment TBD	WAC-Noncompliant Waste Storage & Treatment
ID	Idaho	00370	MLLW	Idaho	DOE	Advanced Mixed Waste Treatment Project	Thermal Treatment	INEEL AMWTP Thermal Treatment (FY04 - 35)
ID	Idaho	00593	MLLW	Idaho	DOE	Advanced Mixed Waste Treatment Project	Mercury Treatment	INEEL AMWTF Hg Treatment
ID	Idaho	00738	MLLW	Idaho	DOE	Advanced Mixed Waste Treatment Project	Amalgamation	AMWTF Amalgamation
NV	NTS	00456	ER	TBD	TBD	Unspecified-1	Treatment TBD	STCG #NV05 or #NV04 Treatment
NV	NTS	00461	LLW	NTS	DOE	Area 3/Area 5 RWMS	Disposal	NTS Disposal
NV	NTS	00469	MLLW	NTS	DOE	MW Disposal Unit	Disposal	NTS MLLW Disposal
NV	NTS	00470	TRU	NTS	COMM	Mobile NDA H.S. Gas	Non-Destructive Assay	On-Site Commercial Mobile NDA H.S Gas

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
NV	NTS	00472	TRU	NTS	DOE	Unspecified-4	Treatment TBD	On Site Treatment
NV	NTS	00789	ER	NTS	DOE	Unspecified-2	Treatment TBD	STCG #NV05 or #NV04 Treatment
NV	NTS	00809	ER	TBD	TBD	Unspecified-3	Treatment TBD	STCG #NV05 or #NV04 Treatment
OH	RMI	00638	ER	RMI	DOE	Unspecified-1	Soil Washing	On Site Soil Wash
OH	RMI	00639	ER	RMI	DOE	Unspecified-2	Shredding/Compaction/Blasting	Shredding Compact / Blast
OH	RMI	00640	ER	RMI	DOE	Unspecified-3	Stabilization	Stabilization
OH	RMI	00641	ER	RMI	DOE	In-Situ Treatment	Vapor Stripping	Vapor Stripping
OH	Columbus	00057	ER	DOE	DOE	TBD-4		TBD Offsite Storage
OH	Fernald	00102	ER	Fernald	DOE	On Site Disposal Facility	Disposal	On Site Disposal
OH	Fernald	00106	ER	Fernald	DOE	Unspecified-1	Stabilization	Stabilization & Isotopic Blending
OH	Fernald	00107	ER	Fernald	DOE	Unspecified-2	Vitrification	Vitrification
OH	Fernald	00108	ER	Fernald	DOE	Unspecified-3	Stabilization	Cement Stabilization
OH	Fernald	00109	ER	Fernald	DOE	Unspecified-4	Ion Exchange	Ion Exchange
OH	Fernald	00110	ER	Fernald	DOE	Unspecified-5	Macroencapsulation	Macroencapsulation
OH	Fernald	00111	ER	Fernald	DOE	Unspecified-6	Drying/Shredding/Blending	Drying, Shredding, Blending
OH	Fernald	00113	ER	Fernald	DOE	Unspecified-7	Solvent Extraction	Organic Solvent Extraction
OH	Fernald	00114	ER	Fernald	DOE	Unspecified-8	Stabilization	Chemical Stabilization
OH	Fernald	00115	ER	Fernald	DOE	Unspecified-9	Neutralization	Neutralization
OH	Mound	00430	ER	Mound	DOE	Unspecified-1	Characterization/Packaging	On Site Packaging & Characterization
OH	Mound	00452	TRU	Mound	DOE	Unspecified-2	Packaging	Mobile Packaging
OH	WVDP	00769	HLW	WVDP	DOE	Unspecified-1	Sludge Washing	Sludge Washing, Supernatant Treatment, Volume Reduction
OH	WVDP	00770	HLW	WVDP	DOE	Unspecified-2	Vitrification	Vitrification
OH	WVDP	00771	HLW	WVDP	DOE	HLW Tanks	Treatment TBD	Tank Cleanout
OH	WVDP	00773	HLW	WVDP	DOE	HLW Tanks		Tank Disposition (Pending EIS)
OH	WVDP	00778	MLLW	WVDP	DOE	Unspecified-3	Neutralization	On Site Treatment / Neutralization
OH	WVDP	00782	MLLW	WVDP	DOE	Unspecified-4	Wastewater Treatment	On Site Wastewater Treatment
OH	WVDP	00783	SNF	Idaho	DOE	Consolidation at INEEL		Consolidation at INEEL

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
OH	WVDP	00784	TRU	WVDP	DOE	Unspecified-5	Characterization/Size Reduct/Packaging	Characterization, Size Reduction, Repackaging (for Transport)
OK	LBNL	00342	ER	LBNL	DOE	In-Situ Treatment	Vapor Extraction/Bioventing	Vapor Extraction & Bioventing
OK	LBNL	00344	ER	LBNL	DOE	Unspecified-1	Carbon Adsorption	Carbon Absorption
OK	LBNL	00353	LLW	LBNL	DOE	Unspecified-2	Decay	On Site Decay
OK	LBNL	00356	MLLW	LBNL	DOE	Unspecified-3	Neutralization	On Site Neutralization
OK	LBNL	00360	MLLW	LBNL	DOE	Treatability Study-1	Treatment TBD	On Site Treatability Study
OK	LBNL	00367	MLLW	LBNL	DOE	Treatability Study-2	Treatment TBD	On Site Treatability Study
OK	ETEC	00084	ER	ETEC	DOE	Unspecified-1	Air Stripping/Carbon Adsorption	Air Stripping/Charcoal Adsorption
OK	ETEC	00088	LLW	ETEC	DOE	Unspecified-2	Stabilization	On Site Stabilization
OK	ETEC	00099	TRU	ETEC	DOE	Unspecified-3	Characterization/Packaging	Characterization, Processing, Packaging
OK	GA	00116	ER	GA	DOE	Unspecified-1	Characterization/Packaging	On Site Certification/Characterization and Packaging
OK	GA	00118	ER	GA	DOE	Unspecified-2	Deactivation/Stabilization	On Site Stabilization and Deactivation
OK	GA	00120	LLW	GA	DOE	Unspecified-3	Filtration	On Site Filtration & Discharge to POTW
OK	GA	00121	LLW	GA	DOE	Unspecified-4	Deactivation/Stabilization	On Site Stabilization/Deactivation Unit
OK	GA	00123	LLW	GA	DOE	Unspecified-5	Deactivation/Stabilization	On Site Stabilization/Deactivation Unit
OK	GA	00124	LLW	GA	DOE	Unspecified-6	Characterization/Packaging	On Site Certification/Characterization, Packaging
OK	GA	00125	LLW	GA	DOE	Unspecified-7	Compaction	On Site Compaction
OK	GA	00128	MLLW	GA	DOE	Unspecified-8	Neutralization	On Site Neutralization
OK	GA	00129	MLLW	GA	DOE	Unspecified-9	Stabilization	On Site Stabilization
OK	GA	00132	MLLW	GA	DOE	Unspecified-10	Neutralization	On Site Neutralization
OK	GA	00133	MLLW	GA	DOE	Unspecified-11	Stabilization	On Site Stabilization
OK	GA	00140	SNF	Idaho	DOE	INEEL (Interim Storage)		INEEL (Interim Storage)

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
OK	GA	00792	MLLW	GA	DOE	Unspecified-12	Size Reduction/Stabilization	On Site Size Reduction & Stabilization
OK	GE	00143	ER	GE	DOE	Unspecified-1	Characterization/Packaging	On Site Certification, Characterization, and Packaging
OK	LEHR	00379	LLW	LEHR	DOE	Unspecified-1	Stabilization/Packaging	On Site Stabilization/Package
OK	LEHR	00380	LLW	LEHR	DOE	Unspecified-2	Compaction/Packaging	On Site Volume Reduction, Compaction & Packaging
OK	LEHR	00382	LLW	LEHR	DOE	Unspecified-3	Classification	Waste Classification
OK	LEHR	00794	MLLW	LEHR	COMM	Unspecified-4	Decontamination	On Site Commercial Decontamination
OK	LLNL	00404	ER	Liver 300	DOE	Pump & Treat	Air Stripping/Carbon Adsorption	Pump & Treat (Air Stripping/TCE Collect on GAC)
OK	LLNL	00406	ER	LLNL	DOE	Unspecified-1	Carbon Adsorption	VOC's Collected on GAC
OK	LLNL	00408	ER	LLNL	DOE	Pump & Treat	Air Stripping/Carbon Adsorption	Air Stripping/TCE Collection GAC
OK	LLNL	00410	ER	LLNL	DOE	In-Situ Treatment	Destruction	Source Area In Situ Destruction
OK	LLNL	00412	LLW	LLNL	DOE	Unspecified-2	Characterization/Packaging	On Site Characterization, Repackaging
OK	LLNL	00414	LLW	LLNL	DOE	Unspecified-3	Characterization/Size Reduct/Packaging	On Site Characterization Size Reduction, Repackaging
OK	LLNL	00415	LLW	LLNL	DOE	Unspecified-4	Neutralization/Precipitation/Filtration	On Site Neutralization/Precipitation & Filtration
OK	LLNL	00416	LLW	LLNL	DOE	Unspecified-5	Neutralization/Precipitation/Filtration	On Site Neutralization/Precipitation & Filtration
OK	LLNL	00419	MLLW	LLNL	DOE	Unspecified-6	Neutralization/Precipitation/Filtration	On Site Neutralization/Precipitation & Filtration
OK	LLNL	00423	MLLW	LLNL	DOE	Unspecified-7	Treatment TBD	On Site Small Scale Treatment
OK	LLNL	00428	TRU	LLNL	DOE	Unspecified-8	Characterization/Size Reduct/Packaging	On Site Characterization, Size Reduction, Repackaging

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
OK	SLAC	00649	ER	SLAC	DOE	Pump & Treat	Carbon Adsorption	Pump and Treat (Carbon Regeneration/ Recycling)
OK	SPRU	00677	ER	SPRU	DOE	Unspecified-1	Characterization/Packaging	Characterization and Packaging
OK	SPRU	00690	ER	SPRU	DOE	Unspecified-2	Rinsing	Rinse Equipment
OK	SPRU	00691	ER	SPRU	DOE	POTW	Disposal	Rinse Water to POTW
OK	SPRU	00693	ER	SPRU	DOE	Unspecified-3	Characterization/Packaging	TRU Pipes, Tanks & Equip. Characterize & Package
OR	ORR	00474	ER	TBD	COMM	Commercial-1	Treatment TBD	Commercial Treatment (TBD)
OR	ORR	00476	ER	ORR	DOE	CERCLA Disposal Cell	Disposal	Future CERCLA On Site Disposal Cell
OR	ORR	00483	ER	TBD	COMM	Commercial-6	Treatment TBD	TBD Commercial Treatment
OR	ORR	00484	ER	TBD	COMM	Commercial-7	Treatment TBD	TBD Commercial Treatment
OR	ORR	00486	LLW	ORR	DOE	West End Treatment Facility	Wastewater Treatment	WETF
OR	ORR	00487	LLW	ORR	DOE	LLW Evaporator Facility	Evaporation	LLW Evaporator Facility
OR	ORR	00489	LLW	ORR	DOE	Process Waste Treatment Plant	Wastewater Treatment	PWT Complex
OR	ORR	00490	LLW	ORR	DOE	MVST and OTE	Treatment TBD	MVST and OTE
OR	ORR	00494	LLW	ORR	DOE	Unspecified-1	Packaging	Onsite Treatment (Repackaging)
OR	ORR	00496	LLW	ORR	DOE	Central Pollution Control Facility	Wastewater Treatment	CPCF
OR	ORR	00497	LLW	ORR	DOE	Unspecified-2	Treatment TBD	On Site Treatment
OR	ORR	00499	LLW	ORR	DOE	Uranium Chip Oxidation Facility	Oxidation	Uranium Chip Oxidation Facility
OR	ORR	00505	MLLW	ORR	DOE	TSCA Incinerator	Incineration	OR TSCA Incinerator
OR	ORR	00507	MLLW	ORR	DOE	Groundwater Treatment/Liquid Storage Fac	Wastewater Treatment	LSF/GWTF
OR	ORR	00508	MLLW	ORR	DOE	Central Neutralization Facility	Wastewater Treatment	CNF
OR	ORR	00510	MLLW	ORR	DOE	Transportable Vitrification System	Vitrification	TVS Vitrification
OR	ORR	00511	MLLW	ORR	DOE	Unspecified-4	Packaging	On Site Conditioning/Repackaging
OR	ORR	00524	SNF	SRS	DOE	SRS RBOF or L-Basin		SRS RBOF or L-Basin
OR	ORR	00525	SNF	ORR	DOE	Disassemble and Load Cask at Tower Shield		Disassemble and Load Cask at Tower Shielding Facility

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
OR	ORR	00526	SNF	ORR	DOE	Repackaging (Building 3525 at ORNL)		Repackaging (Building 3525 at ORNL)
OR	ORR	00527	SNF	ORR	DOE	Interim Storage (Facility 7827 at ORNL)		Interim Storage (Facility 7827 at ORNL)
OR	ORR	00528	SNF	Idaho	DOE	INEEL IFSF, CPP-749, Dry Transfer Cell		INEEL IFSF, CPP-749, Dry Transfer Cell
OR	ORR	00529	SNF	ORR	DOE	Transfer to Lined Storage (Facility 7827		Transfer to Lined Storage (Facility 7827 at ORNL)
OR	ORR	00531	TRU	ORR	COMM	TRU Waste Treatment Plant-1	Repackaging	TWTP Repackaging On Site Commercial
OR	ORR	00533	TRU	ORR	COMM	TRU Waste Treatment Plant	Stabilization	TWTP Solidification
OR	ORR	00534	TRU	ORR	DOE	Generator Treatment	Volume Reduction/Certification	Certification at Generator
OR	ORR	00816	LLW	ORR	DOE	Unspecified-3	Packaging	Onsite Treatment (Repackaging)
OR	ORR	00817	TRU	ORR	COMM	TRU Waste Treatment Plant-2	Repackaging	TWTP Repackaging On Site Commercial
OR	PGDP	00535	ER	PGDP	DOE	C-746-U Landfill	Disposal	On Site Landfill Disposal
OR	PGDP	00537	ER	PGDP	DOE	C-752 Wastewater Treatment	Wastewater Treatment	C-752 Wastewater Treatment
OR	PGDP	00538	ER	PGDP	DOE	C-612/C-614 Waste/Groundwater Treatment	Wastewater Treatment	C-612, C-614 Wastewater/Groundwater Treatment
OR	PGDP	00539	ER	PGDP	DOE	C-400-D Lime Precipitation	Lime Precipitation	C-400D Lime Precipitation
OR	PGDP	00541	ER	PGDP	DOE	VORTEC	Vitrification	VORTEC Vitrification
OR	PGDP	00552	MLLW	TBD	COMM	Commercial-5	Treatment TBD	Commercial Broad Spectrum Treatment
OR	PGDP	00554	MLLW	TBD	COMM	Commercial-6	Treatment TBD	Commercial Broad Spectrum Treatment
OR	PGDP	00557	TRU	PGDP	DOE	Unspecified-1	Treatment TBD	On Site Treatment
OR	PORT	00582	ER	PORT	DOE	X-622T/X-622/X623/X-624/X-625	Wastewater Treatment	On Site Water Treatment
OR	PORT	00598	MLLW	PORT	DOE	Unspecified-1	Sort/Segregate	Sort/Segregate
OR	Weldon	00765	ER	Weldon	DOE	On Site Disposal Cell	Disposal	On Site Cell Disposal
OR	Weldon	00766	ER	Weldon	DOE	Unspecified-1	Grouting	On Site Grouting

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
OR	Weldon	00768	ER	Weldon	DOE	Unspecified-2	Wastewater Treatment	On Site Wastewater Treatment Facility
RF	RFTS	00611	ER	RFTS	DOE	Unspecified-1	Sort/Segregate	Sorting/Segregation
RF	RFTS	00612	ER	RFTS	DOE	Unspecified-2	Organic Destruction	Organic Destruction
RF	RFTS	00613	ER	RFTS	DOE	Unspecified-3	Radionuclide Separation	Rad Removal (If Necessary)
RF	RFTS	00614	ER	RFTS	DOE	Unspecified-4	Thermal Desorption	Thermal Desorption
RF	RFTS	00620	LLW	RFTS	DOE	Unspecified-7	Declassification	Declassification
RF	RFTS	00622	MLLW	RFTS	DOE	Unspecified-8	Wastewater Treatment	On Site Wastewater Treatment
RF	RFTS	00626	MLLW	RFTS	DOE	Unspecified-9	Sort/Segregate	Sorting/Segregation
RF	RFTS	00630	TRU	RFTS	DOE	Unspecified-10	Real Time Radiography	Real Time Radiography
RF	RFTS	00631	TRU	RFTS	DOE	Unspecified-11	Treatment TBD	Residue Processing
RF	RFTS	00632	TRU	RFTS	DOE	Unspecified-12	Repackaging	Repackaging
RF	RFTS	00633	TRU	RFTS	DOE	Unspecified-13	Stabilization/Glove Wash	Stabilization/Glove Wash
RF	RFTS	00634	TRU	RFTS	DOE	Unspecified-14	Assay/Headspace Sampling	Assay, Headspace Sampling
RF	RFTS	00636	TRU	RFTS	DOE	Unspecified-15	Sort/Segregate	Sorting/Segregation
RF	RFTS	00818	ER	RFTS	DOE	Unspecified-5	Sort/Segregate	Sorting/Segregation
RF	RFTS	00819	TRU	RFTS	DOE	Unspecified-16	Sort/Segregate	Sorting/Segregation
RF	RFTS	00821	ER	RFTS	DOE	Unspecified-6	Sort/Segregate	Sorting/Segregation
RL	Hanford	00151	ER	Hanford	DOE	Environmental Restoration Disposal Fac	Disposal	On Site ERDF Disposal
RL	Hanford	00154	ER	Hanford	DOE	Pump & Treat	Treatment TBD	Pump & Treat
RL	Hanford	00155	ER	Hanford	DOE	200 Area Effluent Treatment Facility	Filtration	200 ETF Filtration
RL	Hanford	00158	HLW	Hanford	DOE	Unspecified-2	Vitrification	HLW Pretreatment & Vitrification
RL	Hanford	00159	HLW	Hanford	DOE	Near Surface Vault	Disposal	Near Surface Vault Disposal
RL	Hanford	00161	HLW	Hanford	DOE	Tank Stabilization		Tank Stabilization
RL	Hanford	00162	LLW	Hanford	DOE	Unspecified-3	Sort/Segregate	Sort
RL	Hanford	00163	LLW	Hanford	DOE	Unspecified-4	Certification	Verification & Certification
RL	Hanford	00165	LLW	Hanford	DOE	Unspecified-5	Stabilization	Stabilization in HIC's
RL	Hanford	00166	LLW	Hanford	DOE	200 Area Burial Grounds	Disposal	Hanford Disposal
RL	Hanford	00167	MLLW	Hanford	DOE	Unspecified-6	Characterization	LDR Compliance Determination
RL	Hanford	00168	MLLW	Hanford	DOE	Unspecified-7	Sort/Segregate	Sort Inorganic Solids

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
RL	Hanford	00169	MLLW	Hanford	DOE	Unspecified-8	Sort/Segregate	Sort Debris
RL	Hanford	00170	MLLW	Hanford	DOE	Unspecified-9	Sort/Segregate	Sort Elemental Lead
RL	Hanford	00171	MLLW	Hanford	DOE	Unspecified-10	Sort/Segregate	Sort Organic Solids
RL	Hanford	00172	MLLW	Hanford	DOE	Waste Receiving and Processing Facility	Amalgamation	WRAP Amalgamation
RL	Hanford	00173	MLLW	Hanford	DOE	M-91 Facility	Treatment TBD	M-91 RH Treatment
RL	Hanford	00175	MLLW	Hanford	DOE	Unspecified-11	Stabilization	Stabilization
RL	Hanford	00176	MLLW	Hanford	DOE	Waste Receiving and Processing Facility	Stabilization	WRAP Stabilization
RL	Hanford	00178	MLLW	Hanford	DOE	Unspecified-12	Debris Treatment	Debris Treatment
RL	Hanford	00179	MLLW	Hanford	DOE	Unspecified-13	Treatment TBD	Lead ROI
RL	Hanford	00183	MLLW	Hanford	DOE	RMW Trenches	Disposal	Hanford Subtitle C Disposal
RL	Hanford	00196	SNF	Hanford	DOE	Clean, Package, Dry		Clean, Package, Dry
RL	Hanford	00197	SNF	Hanford	DOE	Package & Dry		Package & Dry
RL	Hanford	00198	SNF	Hanford	DOE	Wash, Package		Wash, Package
RL	Hanford	00199	SNF	Hanford	DOE	Na Wash, Dry Package		Na Wash, Dry Package
RL	Hanford	00200	SNF	Hanford	DOE	Na Wash, Dry Package		Na Wash, Dry Package
RL	Hanford	00201	SNF	Hanford	DOE	Na Wash, Dry Package		Na Wash, Dry Package
RL	Hanford	00203	TRU	Hanford	DOE	Unspecified-14	Characterization	Retrieval/Characterization
RL	Hanford	00204	TRU	Hanford	DOE	Unspecified-15	Sort/Segregate	Sort
RL	Hanford	00205	TRU	Hanford	DOE	Waste Receiving and Processing Facility	Repackaging	WRAP CH Repackaging
RL	Hanford	00206	TRU	Hanford	DOE	M-91 Facility	Treatment TBD	M-91 Facility
SR	SRS	00700	ER	SRS	DOE	Unspecified-1	Treatment TBD	Chemical Treat/Reinject
SR	SRS	00701	ER	SRS	DOE	In-Situ Treatment	Bioremediation	Bioremediation
SR	SRS	00702	ER	SRS	DOE	Unspecified-2	Air Stripping	Air Stripping
SR	SRS	00703	ER	SRS	DOE	Unspecified-3	Thermal Desorption	Thermal Desorption
SR	SRS	00704	ER	SRS	DOE	In-Situ Treatment	Soil Mixing/Grouting	Soil Mixing/Grouting/Cap In Place
SR	SRS	00705	ER	SRS	DOE	In-Situ Treatment	Chemical Stabilization/Grouting	Chemical Stabilization/Grout in Place

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
SR	SRS	00706	ER	SRS	DOE	In-Situ Treatment	Vapor Extraction	Vapor Extraction
SR	SRS	00707	ER	SRS	DOE	In-Situ Treatment	Bioremediation/Air Sparging	Bioremediation/Air Sparging
SR	SRS	00712	HLW	SRS	DOE	Unspecified-4	Sludge Washing	Sludge Washing
SR	SRS	00713	HLW	SRS	DOE	In Tank Precipitation	Precipitation	Salt Processing (ITP)
SR	SRS	00714	HLW	SRS	DOE	HLW Tanks	Water/Acid Washing	Water and/or Acid Washing
SR	SRS	00715	HLW	SRS	DOE	Saltstone	Stabilization	Solidification (Saltstone)
SR	SRS	00716	HLW	SRS	DOE	Defense Waste Processing Facility	Vitrification	DWPF Vitrification
SR	SRS	00718	HLW	SRS	DOE	Saltstone Vaults	Disposal	On-Site LLW Saltstone Vault Disposal
SR	SRS	00719	HLW	SRS	DOE	HLW Tanks	Stabilization	Tank & Facilities Stabilization
SR	SRS	00720	LLW	SRS	DOE	Effluent Treatment Facility	Wastewater Treatment	Effluent Treatment Facility
SR	SRS	00722	LLW	SRS	DOE	E-Area Low Activity Vault	Disposal	E-Area Low Activity Waste Vault Disposal
SR	SRS	00723	LLW	SRS	DOE	WSF	Compaction	WSF Compaction
SR	SRS	00724	LLW	SRS	DOE	WSF	Sort/Segregate	WSF Sort/Segregate
SR	SRS	00725	LLW	SRS	DOE	E-Area Trench	Disposal	E-Area Trench Disposal
SR	SRS	00727	LLW	SRS	DOE	Central Decon Facility	Survey/Decontamination	Central Decon Facility-Survey/Decon
SR	SRS	00729	LLW	SRS	DOE	E-Area Pads	Disposal	E-Area Dispose in Place (Pads)
SR	SRS	00730	LLW	SRS	DOE	E-Area Intermediate Level Vault	Disposal	E-Area Intermediate Level Vault Disposal
SR	SRS	00733	MLLW	SRS	DOE	Consolidated Incineration Facility	Incineration	Consolidated Incineration Facility (CIF)
SR	SRS	00735	MLLW	SRS	DOE	Consolidated Incineration Facility	Stabilization	CIF Stabilization
SR	SRS	00736	MLLW	SRS	DOE	D Area Ion Exchange	Ion Exchange	D Area Ion Exchange
SR	SRS	00744	MLLW	SRS	DOE	M-Area Vitrification	Vitrification	M-Area Vitrification
SR	SRS	00745	MLLW	SRS	DOE	D-Area Stabilization	Stabilization	D-Area Stabilization
SR	SRS	00747	SNF	SRS	DOE	Canyon		Canyon
SR	SRS	00748	SNF	Idaho	DOE	INEEL IFSF, CPP-749, or Dry Transfer Cell		INEEL IFSF, CPP-749, or Dry Transfer Cell
SR	SRS	00749	SNF	SRS	DOE	TBD (Dissolve in Canyon)		TBD (Dissolve in Canyon)

Table B-2. Initial TSD System List (Cont)

Ops	Reporting Site	HQ Id	Map	System Site	System Owner	System Name	System Technology	Name on Disposition Map
SR	SRS	00750	SNF	SRS	DOE	TBD (Dissolve in Canyon or TSS)		TBD (Dissolve in Canyon or TSS)
SR	SRS	00787	MLLW	SRS	DOE	Unspecified-4	Treatment TBD	Generator Treatment

Table B-3. System Technology Valid Values

Technology	Activity
Air Sparging	TRT
Air Stripping	TRT
Air Stripping/Carbon Adsorption	TRT
Amalgamation	TRT
Assay/Headspace Sampling	OTHPR
Bioremediation	TRT
Bioremediation/Air Sparging	TRT
Calcination	TRT
Calcine Dissolution	TRT
Carbon Adsorption	TRT
Carbon Adsorption/Precipitation	TRT
Carbon Regeneration	TRT
Cask Dismantlement	OTHPR
Certification	OTHPR
Characterization	OTHPR
Characterization/Certification	OTHPR
Characterization/Packaging	OTHPR
Characterization/Size Reduct/Packaging	TRT
Chemical Stabilization/Grouting	TRT
Chemical/Electrolytic Oxidation	TRT
Classification	OTHPR
Compaction	TRT
Compaction/Packaging	TRT
Compaction/Solidification/Neutralization	TRT
Composting	TRT
Consolidation	OTHPR
Cyanide Destruction	TRT
Deactivation	TRT

Technology	Activity
Deactivation/Stabilization	TRT
Debris Treatment	TRT
Decay	TRT
Declassification	OTHPR
Decontamination	TRT
Destruction	TRT
Dewatering/Evaporation	TRT
Disposal	DISP
Dry Ice Blasting	TRT
Drying/Shredding/Blending	TRT
Encapsulation	TRT
Evaporation	TRT
Extraction	TRT
Extraction/Stabilization	TRT
Filter Leaching	TRT
Filtration	TRT
Grouting	TRT
Incineration	TRT
Ion Exchange	TRT
Land Farming	TRT
Lime Precipitation	TRT
Macroencapsulation	TRT
Mercury Treatment	TRT
Metal Melting	TRT
Metal Recycle	TRT
Neutralization	TRT
Neutralization/Precipitation	TRT
Neutralization/Precipitation/Filtration	TRT
Non-Destructive Assay	OTHPR

Table B-3. System Technology Valid Values (Cont)

Technology	Activity
Organic Destruction	TRT
Oxidation	TRT
Packaging	OTHPR
Photo Oxidation	TRT
Phyto-Remediation	TRT
Precipitation	TRT
Puncturing/Decanting	TRT
Radionuclide Separation	TRT
Real Time Radiography	OTHPR
Recycle	OTHPR
Repackaging	OTHPR
Rinsing	TRT
Shredding/Compaction	TRT
Shredding/Compaction/Blasting	TRT
Size Reduction	TRT
Size Reduction/Stabilization	TRT
Sizing	TRT
Sludge Washing	TRT
Soil Mixing/Grouting	TRT
Soil Washing	TRT
Solvent Extraction	TRT
Sort/Segregate	OTHPR
Sort/Segregate/Package	OTHPR
Sort/Segregate/Size Reduce/Package	TRT
Stabilization	TRT
Stabilization/Glove Wash	TRT
Stabilization/Oxidation	TRT
Stabilization/Packaging	TRT

Technology	Activity
Survey/Decontamination	TRT
Thermal Desorption	TRT
Thermal Treatment	TRT
Treatment TBD	TRT
Vapor Extraction	TRT
Vapor Extraction/Bioventing	TRT
Vapor Stripping	TRT
Vapor Vacuum Extraction	TRT
Vitrification	TRT
Volume Reduction/Certification	TRT
Wastewater Treatment	TRT
Water/Acid Washing	TRT
Treatment TBD/Disposal	TRDI
Stabilization/Disposal	TRDI
Encapsulation/Disposal	TRDI
Macroencapsulation/Disposal	TRDI
Incineration/Disposal	TRDI
Amalgamation/Disposal	TRDI

Table B-4. DOE Program Valid Values

Code	Name
DP	Defense Programs
EM	Environmental Management
SC	Science
MD	Materials Disposition
NE	Nuclear Energy
NR	Naval Reactors
RW	Civilian Radioactive Waste

Table B-5. Waste type Valid Values

Code	Name	Definition
11e2	11e(2) Byproduct Waste	The tailings or waste produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material (i.e., uranium, thorium, or both) content. This excludes underground ores depleted by uranium solution extration operations that continue to remain underground.
HAZ	Hazardous Waste	Waste containing a hazardous component subject to the Resource Conservation and Recovery Act, as amended or defined as hazardous by a State.
HLW	High Level Waste	Highly radioactive waste material resulting from the reprocessing of SNF, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient concentrations; and other highly radioactive material that is determined, consistent with existing law, to require permanent isolation.
LLW	Low Level Waste	Radioactive waste, including accelerator-produced waste, that is not HLW, SNF, TRU, byproduct material (as defined in section 11e.(2) of the Atomic Energy Act of 1954), or naturally occurring radioactive material.
MLLW	Mixed Low Level Waste	Waste containing both a radioactive component subject to the Atomic Energy Act, as amended, and a hazardous component subject to the Resource Conservation and Recovery Act, as amended. (Includes LLW regulated under TSCA.)
NCON	Uncontaminated	Previously contaminated (radioactive and/or hazardous) materials, equipment or environmental media that have been processed (decontaminated) to render them suitable for reuse, recycling, or release to the environment.
SAN	Sanitary Waste	Non-hazardous, non-radioactive waste. Examples include waste generated by routine site support operations such as food service/cafeteria wastes, waste office paper, corrugated packaging materials and building construction or maintenance materials and debris.
SNF	Spent Nuclear Fuel	Irradiated nuclear fuel that is discharged from Department of Energy production reactors, university and government research reactors, foreign research reactors with fuel of U.S. origin, and naval nuclear propulsion reactors.
TRU	Transuranic Waste	Radioactive waste containing more that 100 nanocuries of alpha-emitting transuranic isotopes per gram of waste, with half-lives greater that 20 years, except for: HLW; waste the Secretary of Energy has determined, with concurrence of the EPA administrator, does not need the degree of isolation required by the 40 CFR Part 191 disposal regulations; or waste the NRC has approved for disposal on a case-by-case basis in accordance with 10 CFR Part 61.
UNSP	Unspecified	Waste, media, or other material that was not specifically identified by the reporting site or that was not yet sufficiently characterized to assign to a more specific waste, media, or material type (i.e., TBD).

Table B-6. MPC Code Valid Values

MPC Code	MPC Name	MPC Definition
L0000	Liquids	The “L” MPCs address waste that is liquids, including slurries. Slurries are defined as liquids with a total suspended/settled solids (TSS) content of $\geq 1\%$ and $\leq 30\%$. Waste with a TSS content $>30\%$ is defined as sludges (see S3000 MPCs). Only liquids and slurries packaged in bulk, free form (e.g., drum, tank) are included in this category. Liquids and slurries packaged as lab packs are categorized as such (see X6000 MPC).
L1000	Aqueous Liquids/Slurries	Liquids and slurries containing less than 1% total organic carbon (TOC).
L1100	Wastewaters	Aqueous liquids/slurries that are treated in wastewater treatment facilities and discharged under the Clean Water Act to the environment. Typically, these are relatively large volume, aqueous effluents which, following generation, are sent directly to wastewater treatment. ²
L1200	Aqueous Slurries	Aqueous liquids/slurries that do not meet definition of waste waters (L1100) ¹
L1300	Ground/Surface Waters	Aqueous liquids/slurries that are comprised of ground or surface waters associated with environmental restoration activities. ²
L2000	Organic Liquids	Liquids and slurries containing $\geq 1\%$ TOC.
S0000	Solids	The “S” MPCs address waste with physically solid matrices, including sludges. Sludges are defined as having a TSS $>30\%$. Certain waste with physically solid matrices are excluded from this category. These include solids that meet the criteria for assignment to the Specific (X) and Final (Z) Waste Forms MPCs (see below).
S3000	Homogeneous Solids	Homogeneous solids are defined as solid waste materials, excluding soil/gravel (see S4000 MPC), that do not meet the EPA LDR criteria for classification as debris. Homogeneous solids may include water or other residual or absorbed liquids. Examples of homogeneous solids are sludges and particulate-type materials. This MPC includes waste that is at least 50% by volume homogeneous solids. The balance of the matrix may be other solid physical/chemical forms. For example, a drum of waste from a spill cleanup may contain particulate absorbents and debris (e.g., rags, paper). The drum would be assigned to the appropriate homogeneous solids category provided the particulate absorbents, including any absorbed liquids, account for at least 50% of the waste volume. [If the waste volume were 50% or more debris, then the drum would be assigned to the appropriate debris category (see S5000 MPCs)].
S3100	Inorganic Homogeneous Solids	This MPC includes waste that is at least 50% by volume inorganic homogeneous solids. Per this guidance, these are defined as homogeneous solids with sufficient inorganic solids content such that a minimum of approximately 20% by weight would remain as residue (i.e., ash or solids) following incineration.
S3110	Inorganic Particulates	This MPC includes waste that is at least 50% by volume inorganic particulates, including any residual or absorbed liquids. Typical examples of inorganic particulates are incinerator ash, dust, sandblasting residue, vermiculite, and ion-exchange media.
S3120	Inorganic Sludges	This MPC includes waste that is at least 50% by volume inorganic sludges, including water content. As previously mentioned, sludges are defined as having a TSS $>30\%$. The inorganic sludge may be mixed with stabilization agents, such as cement, provided the mixture has not properly cured to form a solidified monolith (see MPCs S3150 and 3240). The inorganic sludge may also be mixed with inorganic particulate absorbent materials.

²The definitions of these categories differ from that in DOE/LLW-217. Revisions are pending incorporation into DOE/LLW-217

Table B-6. MPC Code Valid Values (Cont)

MPC Code	MPC Name	MPC Definition
S3130	Paint Waste	This MPC includes waste that is at least 50% by volume new, used, or removed paint. This includes such paint waste packaged in a lab pack configuration (see MPC X6000).
S3140	Salt Waste	This MPC includes waste that is at least 50% by volume salts, including interstitial liquids, if present.
S3150	Solidified Homogeneous Solids	This MPC includes waste that is at least 50% by volume solidified forms that require further treatment before disposal. The original, unsolidified waste may be either inorganic or organic, while the solidification agent must be inorganic. An example might be a particulate or sludge waste that has been immobilized with cement and cured into a solidified form, but that does not meet LDR treatment standards, if applicable, or other relevant disposal criteria. ²
S3151	Solidified Inorganic Solids	Waste that is consistent with the definition for MPC 3150 for which the original, unsolidified waste is inorganic. ³
S3152	Solidified Organic Solids	Waste that is consistent with the definition for MPC 3150 for which the original, unsolidified waste is organic. ³
S3160	Inorganic Chemicals	Waste that is at least 50% by volume discarded inorganic solid chemicals that do not meet the criteria for assignment into a more prescriptive Inorganic Homogeneous Solids category. The inorganic chemicals may be particulate- or granular-type materials, or monolithic-type chunks. Only inorganic chemicals packaged in bulk, free form (e.g., drum, tank) are included in this category. Inorganic chemicals packaged as lab packs, or that are in temporary storage and will be packaged as lab packs before transfer to long-term storage or treatment, are categorized as such (see MPC X6000). Inorganic chemicals that meet the criteria for assignment into a more prescriptive Inorganic Homogeneous Solids category should be categorized as such. (For example, bulk sodium chloride should be assigned to category S3141).
S3200	Organic Homogeneous Solids	Waste that is at least 50% by volume organic homogeneous solids. Per this guidance, these are defined as homogeneous solids with a base structure that is primarily organic such that a maximum of approximately 20% by weight would remain as residue (i.e., ash or solids) following incineration.
S3210	Organic Particulates	Waste that is at least 50% by volume organic particulates, including any residual or absorbed liquids. Examples of organic particulates are certain resins used in wastewater treatment and particulate organic absorbent materials.
S3220	Organic Sludges	Waste that is at least 50% by volume organic sludges, including liquids, if present. Examples of waste included in this category are biological sludges and heavy, unpourable organic materials, such as tars or greases.
S3230	Organic Chemicals	Waste that is at least 50% by volume discarded organic solid chemicals that do not meet the criteria for assignment into a more prescriptive Organic Homogeneous Solids category. The organic chemicals may be particulate- or granular-type materials, or monolithic-type chunks. Only organic chemicals packaged in bulk, free form (e.g., drum, tank) are included in this category. Organic chemicals packaged as lab packs, or that are in temporary storage and will be packaged as lab packs before transfer to long-term storage or treatment, are categorized as such (see MPC X6000).

³New categories awaiting incorporation into DOE/LLW-217

Table B-6. MPC Code Valid Values (Cont)

MPC Code	MPC Name	MPC Definition
S3240	Organically Solidified Solids	Waste that is at least 50% by volume solidified forms that require further treatment before disposal. The original, unsolidified waste may be either inorganic or organic, while the solidification agent must be organic. An example might be a liquid or sludge waste that has been immobilized with bitumen and cured into a solidified form, but that does not meet LDR treatment standards, if applicable, or other relevant disposal criteria. ³
S4000	Soil/Gravel	Waste estimated to be 50% by volume soil, including sand and silt, or rock and gravel that does not meet the EPA LDR criteria for classification as debris.
S5000	Debris Waste	<p>Per this guidance, debris materials are defined as per the EPA LDR criteria. While specifically written to address EPA regulated hazardous debris, these criteria, particularly particle size, are equally applicable to nonhazardous waste:</p> <p>"Debris means solid material exceeding a 60 mm particle size that is intended for disposal and that is: 1) a manufactured object, or 2) plant or animal matter, or 3) natural geologic material. However, the following materials are not debris: 1) any material for which a specific treatment standard is provided in Subpart D, Part 268, 2) process residuals such as smelter slag and residues from the treatment of waste, wastewater, sludges, or air emission residues; and 3) intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume. A mixture of debris that has not been treated to the standards provided by §268.45 and other material is subject to regulation as debris if the mixture is comprised primarily of debris, by volume, based on visual inspection." [40 CFR §268.2(g)]</p> <p>This MPC includes waste that is at least 50% by volume materials that meet the above criteria. The balance of the matrix may be other physical or chemical waste forms. For example, the drum of spill cleanup waste discussed in the definition for Homogeneous Solids (see MPC S3000) would be assigned to the appropriate debris category, provided the debris materials account for at least 50% of the bulk matrix volume.</p>
S5100	Inorganic Debris	Waste that is estimated to be 80% by volume, or more, inorganic debris materials. Examples of inorganic debris materials include scrap metal, concrete, brick, and glass.
S5300	Organic Debris	Waste that is estimated to be 80% by volume, or more, organic debris materials. Examples of organic debris are materials constructed of plastic, rubber, wood, paper, cloth, and biological materials.
S5400	Heterogeneous Debris	Waste that is at least 50% by volume debris materials that do not meet the criteria for assignment as either an Inorganic Debris (S5100) or Organic Debris (S5300). An example is waste that is essentially entirely debris, but is not dominant (i.e., estimated to be 80% by volume or more) in either inorganic or organic debris materials. Another example is waste that is at least 50% by volume debris materials, with the balance being soil or homogeneous solids.
U9999	Unknown/Other Matrix	Waste for which insufficient characterization is known to enable evaluation per the criteria of the initial Liquids (L0000), Solids (S0000), Specific Waste Form (X0000), and Final Waste Form (Z0000) categories, or waste that does not meet the criteria specified for any of those categories.
X0000	Specific Waste Forms	The "X" MPCs address waste that is of certain specific forms. These forms include waste with matrices that are liquids, solids, or combinations of both.

Table B-6. MPC Code Valid Values (Cont)

MPC Code	MPC Name	MPC Definition
X6000	Lab Packs	<p>Per this guidance, a lab pack configuration is defined as two or more waste containers packaged within a larger outer container. Typically, the inner containers are surrounded by absorbent materials; however, this is not an absolute criterion. If present, the absorbents can be homogeneous solids or debris materials. Examples may include rags, vermiculite, diatomaceous earth, and paper wipes.</p> <p>This MPC includes waste that either (a) is packaged as a lab pack upon generation, or (b) will be packaged as a lab pack before transfer to long-term storage or treatment. The reason for inclusion of the second item is that many sites maintain inventories of small waste volumes (e.g., excessed or expired chemicals) in temporary storage. Often, this waste is lab packed before transfer for long-term storage or treatment.</p> <p>This MPC does not include lab packs of elemental liquid mercury (see X7100) or paint waste (see S3130). In addition, waste packaged in a lab pack configuration that is considered overpacked is excluded. A typical example of an overpack is a single 55-gallon drum of waste that is placed in a 85-gallon drum because of deterioration of the 55-gallon container. This waste should be assigned the appropriate category based on the waste within the inner, overpacked container(s).</p>
X7000	Special Waste	In general, this MPC includes waste that (a) is inherently hazardous (i.e., the bulk material itself is RCRA hazardous), often with specific LDR treatment technology requirements, or (b) presents unique treatment concerns.
X7100	Elemental Mercury	Waste that is bulk, pourable liquid mercury. The liquid mercury may be packaged in a lab pack configuration. Manometers, or other equipment, that contain small residual amounts of mercury should be assigned to the appropriate debris category (see S5000 MPCs).
X7200	Elemental Hazardous Metals	Waste that contains at least 50% by volume solid, bulk elemental hazardous metals that meet the EPA size criteria for classification as debris.
X7300	Beryllium Dust	Beryllium waste that is subject to the metal recovery treatment standard as specified in the Third Third LDR rule (55 <i>FR</i> 22545). Waste contaminated with beryllium but not subject to the metal recovery treatment standard should be assigned to the appropriate MPC based on the bulk matrix composition.
X7400	Batteries	Waste consisting of batteries. The batteries may be packaged with absorbent materials (e.g., particulates, rags).
X7500	Reactive Metals	Per this guidance, reactive metals are defined as waste meeting the criteria for classification as water reactive or ignitable reactive per the Third Third LDR rule (55 <i>FR</i> 22545 and 22553). Typically, this waste is sodium metal or sodium metal alloys, but can also include particulate fines of aluminum, uranium, zirconium, or other pyrophoric materials. The waste may be mixed with stabilizing materials.
X7600	Explosives/Propellants	Waste consisting of substances that undergo rapid chemical transformations that produce large amounts of gases and heat. The gases rapidly expand at velocities exceeding the speed of sound (due to the heat of reaction), which creates a shock wave and explosion. Waste that meets this definition should be identified here regardless of the specific physical form. Liquid nitroglycerine, for instance, should be categorized as an explosive and not as an organic liquid. Similarly, TNT would be categorized as explosive rather than as a homogeneous solid.
X7700	Compressed Gases/Aerosols	Waste consisting of pressurized gas cylinders, including aerosols. Waste consisting of depressurized gas cylinders or aerosol cans would not be assigned to this category. This waste would be assigned to the appropriate debris category (see S5000 MPCs).

Table B-6. MPC Code Valid Values (Cont)

MPC Code	MPC Name	MPC Definition
X7800	Sealed Sources	Waste consisting of encapsulated radioactive material whose main purpose is to generate known amounts of radiation. Ten CFR 71.4 defines sealed sources as a category of special form radioactive material. Special form radioactive material means radioactive material which satisfies the following conditions: (1) It is either a single, solid piece or is contained in a sealed capsule that can be opened only by destroying the capsule; (2) The piece or capsule has at least one dimension not less than 5 millimeters; (3) It satisfies the test requirements of 10 CFR 71.75. ³
Z0000	Final Waste Forms	Waste that is in final form and meets applicable disposal criteria, including applicable LDR and PCB treatment standards. The specific final waste form MPCs currently defined in this guidance are addressed below. These categories are primarily intended for assignment to final waste forms resulting from the treatment of hazardous or mixed waste. Typically, preparing radioactive or sanitary waste for disposal does not require the rigorous treatments that produce these final waste forms. In other words, the final disposable forms of these waste types may be one of the previously defined solid MPCs. However, if applicable, the final waste form MPCs may be applied to waste other than that resulting from treatment of hazardous or mixed waste.
Z1000	Immobilized Forms	Waste forms that are immobilized via either micro- or macro-encapsulation. As defined in this guidance, the key distinction between microencapsulation and macroencapsulation is the matrix characteristics of the waste before immobilization. In general, immobilized forms resulting from the treatment of liquids and slurries, or solids with relatively small particle sizes (e.g., not meeting the EPA particle size criteria for classification as debris) are considered microencapsulated. Immobilized forms resulting from the treatment of solids with large particle sizes (e.g., debris) are considered macroencapsulated. This represents a deviation from more stringent definitions of microencapsulation used by the EPA and others.
Z1100	Microencapsulated Forms	Waste that has been immobilized via microencapsulation.
Z1110	Cement Forms	Waste that has been immobilized with grout or other cement-type binders.
Z1120	Vitrified Forms	Waste that has been immobilized via vitrification.
Z1130	Polymer Forms	Waste that has been microencapsulated with organic binders.
Z1140	Amalgamated Forms	Waste that has been immobilized via amalgamation.
Z1150	Crystalline Forms	Waste that has been immobilized via methods that produce a crystalline final waste form. Example methods are microwave solidification and the Synrock process.
Z1200	Macroencapsulated Forms	Waste that has been immobilized via macroencapsulation.
Z2000	Decontaminated Solids	Waste that has been decontaminated and is ready for disposal or recycling.
Z2100	Decontaminated Metal	Metal waste that has been decontaminated and is ready for disposal or recycling.

Table B-7. SNF Inventory Status Valid Values

Code	Name
IDRXX	Disposition Ready
INSTB	In Stabilization Process
ISNDR	Stabilized/Not Disposition Ready

Table B-8. Management Activities Valid Values

<i>Source (Addition) Activities</i>			
Code	Name	Applicable Streams	Selection Guidance
CT	Collect & Treat	ER streams only.	Select if the response strategy is ex situ and the planned disposition is treatment or other processing (see destination activities below).
CD	Collect & Dispose	ER streams only.	Select if the response strategy is ex situ and the planned disposition is disposal or treatment/disposal (see destination activities below).
CR	Collect & Recycle	ER streams only.	Select if the response strategy is ex situ and the planned disposition is treat or processing prior to recycling (see destination activities below).
CS	Collect & Store	ER streams only.	Select if the response strategy is ex situ and involves interim storage pending the establishment of a baseline disposition plan.
INSIT	In-Situ Management	ER streams only.	Select if the response strategy is in situ, no action or access/institutional control.
ERTBD	Response Strategy TBD	ER streams only.	Select if the response strategy is TBD (i.e., unknown whether the stream will be managed with an in situ or ex situ response strategy).
GEN	Generation	Non-ER waste and material streams only.	Select for streams that are not direct secondary waste from the treatment or other processing of another stream(s) and are not off-site receipts.
SEC	Process Output/ Residue	No restrictions.	Select if the stream is a direct secondary waste from the treatment or other processing of another stream(s).
RCPT	Off-Site Receipt	Non-ER waste/material streams only.	Select if the stream is to be received from a site, other than the reporting site.
<i>Destination (Disposition) Activities (Applicable to Waste and Media Streams Only - Not SNF)</i>			
TRT	Treatment	No restrictions.	Select if the disposition activity meets the definition of treatment (i.e., <i>any method, technique, or process designed to change the physical or chemical character of waste to render it less hazardous; safer to transport, store, or dispose; or reduce its volume</i>).
DISP	Disposal	No restrictions.	Select if the disposition activity meets the definition of disposal (i.e., <i>emplacement of waste in a manner that ensures protection of human health and the environment within prescribed limits for the foreseeable future with no intent of retrieval and that requires deliberate action to regain access to the waste</i>).
TRDI	Treatment/Disposal	Restricted to streams being shipped to commercial systems.	Select if the contract with the commercial facility includes both treatment and disposal services. If the stream meets criteria for inclusion in waste performance measure, this combination of treatment and disposal is counted in the "On-Site/Commercial Disposal" performance category.
OTHPR	Other Processing	No restrictions.	Select if the management activity does not meet the formal definition of treatment <u>and/or</u> , the volume processed is not to be included in waste performance measures.
OSP	On Site Placement	ER streams only.	
RRU	Return to Remediation Unit	ER streams only.	

Code	Name	Applicable Streams	Selection Guidance
RECYC	Recycle	Restricted to streams where waste type is “Non-contaminated” (NCON).	Select if the management activity results in reusing or recycling material resources that are no longer considered wastes or health hazards with special management requirements.
NPDES	NPDES Discharge	Restricted to streams where the MPC is “surface/groundwater”.	Select if the management activity involves the permitted (NPDES) discharge of clean water.
CLSTR	Collect & Store	ER streams only.	Select if the response strategy is ex situ and involves interim storage pending the establishment of a baseline disposition plan.
ISTR	In-Situ Treatment	ER media streams managed in-situ only.	Response strategy consisting of the treatment of contaminated media in place (e.g., chemical stabilization, biodegradation, flushing).
ISCON	In-Situ Containment	ER media streams managed in-situ only.	Response strategy consisting of the placement of a barrier, seal, or diversion to contain the further spread of contamination (e.g., capping, lateral barrier, interception).
ACCIC	Access/Institutional Controls	ER media streams managed in-situ only.	Response strategy consisting of monitoring and limiting public access and/or usage of an area containing contaminated media (e.g., physical restrictions, monitoring, administrative restrictions).
NOACT	No Action	ER media streams managed in-situ only.	Response strategy in which a decision of “no further action” is anticipated.
PARWS	Incorporated by Parent Stream		Select for streams that are to be managed by incorporation with other streams to effect their disposition. This option should be restricted to special circumstances where losing the identity of the child stream is highly desirable or cannot be avoided.
TBD	To Be Determined		Select if formal concurrence has not been achieved on the baseline plan disposition path.
<i>Disposition (Destination) Activities (Applicable to SNF Streams Only)</i>			
STABL	Stabilize	Restricted to SNF streams.	Select if the activity is intended to stabilize SNF. There are assumed to be additional steps required prior to disposal. Contributes to the Stabilization performance measure.
STTBD	Stabilize TBD	Restricted to SNF streams.	
STMDR	Stabilize/Make Disposition Ready	Restricted to SNF streams.	Select if the activity is intended to stabilize SNF <u>and</u> place it in a disposition ready condition prior to its ultimate disposition (i.e., this is the last step (excluding interim storage) prior to disposal.
DRTRT	Make Disposition Ready	Restricted to SNF streams.	Select if the activity is intended to be the last management step required (excluding interim storage) prior to disposal. Contributes to the Made Disposition Ready performance measure.
DRTBD	Make Disposition Ready TBD	Restricted to SNF streams.	
SHIPD	Ship to DOE Site	Restricted to SNF streams.	Select if the activity involves consolidation of SNF inventories at a site other than the reporting site.

Table B-9. ER Regulatory Process Valid Values

Regulatory Process	Description
AEA	Atomic Energy Act
CA STATE (RWQCB)	California State Regional Water Quality Control Board
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
NRC	Nuclear Regulatory Commission
RCRA	Resource Conservation and Recovery Act
UMTRCA	Uranium Mill Tailings Radiation Control Act
AEA/CERCLA	Combination of CERCLA and AEA
CERCLA/RCRA	Combination of CERCLA and RCRA
RCRA/TSCA	Combination of RCRA and Toxic Substances Control Act

Table B-10. Quantity Units Valid Values

Code	Name
M3	Cubic meters
MT	Metric Tons
MTHM	Metric Tons of Heavy Metal
NC	Number of HLW Canisters
NT	Number of Tanks

Table B-11. Valid PBS List

See Table A-1 in Attachment A.

Table B-12. Comparison of SDD with Performance Measures

PBS-Level Performance Measure	Applicable Stream Disposition Activities	Applicable Waste Types	Quantities Summed	Disposition Streams Included* in PBS Level Rolled Up for Comparison with Measures
Treatment	Treatment	HLW, TRU, MLLW, LLW	Amount Dispositioned	<ul style="list-style-type: none"> On-site treatment Off-site treatment at commercial and other non-EM sites (e.g. naval site) Treatment at “TBD” sites
Disposal	Disposal	HLW, TRU, MLLW, LLW	Amount Dispositioned	<ul style="list-style-type: none"> On-site disposal Off-site disposal, including treatment/disposal, at commercial and other non-EM sites Disposal at “TBD” sites
Off-Site DOE Disposal (Shipment to DOE Site)	Treatment, Disposal	TRU, MLLW, LLW	Amount Dispositioned	<ul style="list-style-type: none"> Off-site treatment and/or disposal at an EM site
HLW Canisters Produced	Not Applicable	HLW	Number of Canisters Produced	<ul style="list-style-type: none"> Streams comprised of HLW canisters destined for geologic repository
Inventory	Treatment, Disposal, Other Processing, Recycle, TBD	HLW, TRU, MLLW, LLW	Amount in Inventory	<ul style="list-style-type: none"> All TRU, MLLW, LLW, and HLW streams except disposal-ready streams reported in number of canisters

* The following streams are excluded from all rollups because they are not part of Waste Management performance measures: 1) Streams subject to ER exclusion: Source is one of the restoration response strategies (i.e., the source activities applicable only to ER streams—see Table B-8), and Disposition TSD System is on-site CERCLA cell, commercial, or “TBD”; 2) waste waters and ground/surface waters; and 3) waste transferred out of EM.

Table B-13. DOT Material Class Valid Values

Code	Name	Short Name
EXS	Exempted/Special Form	EX/SF
LMQ	Limited Quantity	LTD QTY
LSA1	Low Specific Activity - Type I	LSA1
LSA2	Low Specific Activity - Type II	LSA2
LSA3	Low Specific Activity - Type III	LSA3
NLA	Non-LSA Type A	TYP A QUAN
NLB	Non-LSA Type B	TYP B QUAN
NRD	Non-Radioactive/Non-Hazardous	NONHAZ
NRH	Non-radioactive hazardous	HAZ
SCO1	Surface Contaminated Objects - Type I	SCO1
SCO2	Surface Contaminated Objects - Type II	SCO2
TBD	To Be Determined	TBD

Table B-14. Package Type Valid Values

Code	Name
IP	Industrial Packaging (rad)
POP	Performance Oriented Packaging (non-rad)
HAZSPEC	Special Hazardous Material Packaging (non-rad)
STP	Strong Tight Packaging/Excepted Packaging (rad)
TBD	To Be Determined
TYPE_A	Type A Packaging (rad)
TYPE_B	Type B Packaging (rad)

Table B-15. Transport Mode Valid Values

Transport Mode
Air
Water
Truck
Rail
Truck & Rail (Intermodal)
Other Intermodal
TBD

Table B-16. Isotope Lookup

Isotope Symbol	Isotope Name	Key ¹
Total Activity	Total Activity	No
Ac-227	Actinium-227	No
Al-26	Aluminum-26	Yes
Am-241	Americium-241	Yes
Am-243	Americium-243	Yes
Ba-133	Barium-133	Yes
C-14	Carbon-14	Yes
C-14am	Carbon-14 (Activated Metal)	Yes
Cd-113m	Cadmium-113	Yes
Cl-36	Chlorine-36	Yes
Cm-243	Curium-243	Yes
Cm-244	Curium-244	Yes
Co-60	Cobalt-60	Yes
Cs-135	Cesium-135	Yes
Cs-137	Cesium-137	Yes
Eu-152	Europium-152	Yes
Eu-154	Europium-154	Yes
H-3	Tritium	Yes
I-129	Iodine-129	Yes
K-40	Potassium-40	Yes
Nb-93m	Niobium-93	Yes
Nb-94	Niobium-94	Yes
Ni-59	Nickel-59	Yes
Ni-63	Nickel-63	Yes
Ni-63am	Nickel-63 (Activated Metal)	Yes
Np-237	Neptunium-237	Yes
Pa-231	Protactinium-231	Yes

¹Key isotope for purposes of DNFSB 94-2 LLW Disposal Capacity Report

Isotope Symbol	Isotope Name	Key ¹
Pb-210	Lead-210	No
Pu-238	Plutonium-238	Yes
Pu-239	Plutonium-239	Yes
Pu-240	Plutonium-240	Yes
Pu-241	Plutonium-241	Yes
Pu-242	Plutonium-242	Yes
Pu-244	Plutonium-244	Yes
Ra-226	Radium-226	Yes
Ra-228	Radium-228	Yes
Se-79	Selenium-79	Yes
Sm-151	Samarium-151	Yes
Sn-121m	Tin-121	Yes
Sn-126	Tin-126	Yes
Sr-90	Strontium-90	Yes
Tc-99	Technetium-99	Yes
Th-228	Thorium-228	No
Th-229	Thorium-229	Yes
Th-230	Thorium-230	Yes
Th-232	Thorium-232	Yes
U-232	Uranium-232	Yes
U-233	Uranium-233	Yes
U-234	Uranium-234	Yes
U-235	Uranium-235	Yes
U-236	Uranium-236	Yes
U-238	Uranium-238	Yes
U-Nat	Uranium (Natural)	Yes
Zr-93	Zirconium-93	Yes

Table B-17. Isotope Concentration Units Valid Values

Unit Code	Unit Name
Bq/gal	Becquerels/Gallon
Bq/l	Becquerels/Liter
Bq/m3	Becquerels/Cubic Meter
Bq/ml	Becquerels/Milliliter
Ci/gal	Curies/Gallon
Ci/l	Curies/Liter
Ci/m3	Curies/Cubic Meter
Ci/ml	Curies/Milliliter
dpm/gal	Disintegrations per Minute/Gallon
dpm/l	Disintegrations per Minute/Liter
dpm/m3	Disintegrations per Minute/Cubic Meter
dpm/ml	Disintegrations per Minute/Milliliter
g/gal	Grams/Gallon
g/l	Grams/Liter
g/m3	Grams/Cubic Meter
g/ml	Grams/milliliter

Unit Code	Unit Name
mCi/gal	Millicurie/Gallon
mCi/l	Millicurie/Liter
mCi/m3	Millicurie/Cubic Meter
mg/l	milligrams/Liter
nCi/gal	nanocuries/Gallon
nCi/l	Nanocuries/Liter
nCi/m3	Nanocuries/Cubic Meter
nCi/ml	Nanocuries/Milliliter
pCi/gal	Picocuries/Gallon
pCi/l	Picocuries/Liter
pCi/m3	Picocuries/Cubic Meter
pCi/ml	Picocuries/Milliliter
ppb	Parts per Billion
ppm	Parts Per Million
uCi/gal	Microcuries/Gallon
uCi/l	Microcuries/Liter
uCi/m3	Microcuries/Cubic Meter
uCi/ml	Microcuries/Milliliter

Table B-18. EPA Code/Hazardous Contaminant Lookup

EPA Code	Default Hazardous Contaminant	CAS Number
MET	Metal Contaminants	
ORG	Organic Contaminants	
PCB	Polychlorinated biphenyls	
ASB	Asbestos	
UNK	Unknown	
D001	Ignitable	
D002	Corrosive	
D003	Reactive	
D004	Arsenic	7440-38-2
D005	Barium	7440-39-3
D006	Cadmium	7440-43-9
D007	Chromium	7440-47-3
D008	Lead	7439-92-1
D009	Mercury	7439-97-6
D010	Selenium	7782-49-2
D011	Silver	7440-22-4
D012	Endrin and/or Endrin aldehyde	72-20-8
D013	Lindane	58-89-9
D014	Methoxychlor	72-43-5
D015	Toxaphene	8001-35-2
D016	2,4-D (aka Dichlorophenoxyacetic acid)	94-75-7
D017	2,4,5-TP (aka Silvex)	93-72-1
D018	Benzene	71-43-2
D019	Carbon tetrachloride	56-23-5
D020	Chlordane	57-74-9
D021	Chlorobenzene	108-90-7
D022	Chloroform	67-66-3
D023	o-Cresol	95-48-7

EPA Code	Default Hazardous Contaminant	CAS Number
D024	m-Cresol	1319-77-3
D025	p-Cresol	106-44-5
D026	Cresols-mixed (aka Cresylic acid)	1319-77-3
D027	p-Dichlorobenzene	106-46-7
D028	1,2-Dichloroethane	107-06-2
D029	1,1-Dichloroethylene	75-35-4
D030	2,4-Dinitrotoluene	121-14-2
D031	Heptachlor and/or Heptachlor epoxide	76-44-8
D032	Hexachlorobenzene	118-74-1
D033	Hexachlorobutadiene	87-68-3
D034	Hexachloroethane	67-72-1
D035	Methyl ethyl ketone	78-93-3
D036	Nitrobenzene	98-95-3
D037	Pentachlorophenol	87-86-5
D038	Pyridine	110-86-1
D039	Tetrachloroethylene	127-18-4
D040	Trichloroethylene	79-01-6
D041	2,4,5-Trichlorophenol	95-95-4
D042	2,4,6-Trichlorophenol	88-06-02
D043	Vinyl chloride	75-01-4
F001	1,1,1-Trichloroethane	71-55-6
F001	Carbon tetrachloride	56-23-5
F001	Chlorinated fluorocarbons	
F001	Methylene chloride	75-09-2
F001	Tetrachloroethylene	127-18-4
F001	Trichloroethylene	79-01-6

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
F002	1,1,1-Trichloroethane	71-55-6
F002	1,1,2-Trichloro-1,2,2-trifluoroethane	
F002	1,1,2-Trichloroethane	79-00-5
F002	Chlorobenzene	108-90-7
F002	Methylene chloride	75-09-2
F002	o-Dichlorobenzene	95-50-1
F002	Tetrachloroethylene	127-18-4
F002	Trichloroethylene	79-01-6
F002	Trichloromonofluoromethane	75-69-4
F003	Acetone	67-64-1
F003	Cyclohexanone	108-94-1
F003	Ethyl acetate	141-78-6
F003	Ethyl benzene	
F003	Ethyl ether	60-29-7
F003	Methanol	67-56-1
F003	Methyl isobutyl ketone	108-10-1
F003	n-Butyl alcohol	71-36-3
F003	Xylene	1330-20-7
F004	Cresols-mixed (aka Cresylic acid)	1319-77-3
F004	m-Cresol	1319-77-3
F004	Nitrobenzene	98-95-3
F004	o-Cresol	95-48-7
F004	p-Cresol	106-44-5

EPA Code	Default Hazardous Contaminant	CAS Number
F005	2-Ethoxyethanol	110-80-5
F005	2-Nitropropane	79-46-9
F005	Benzene	71-43-2
F005	Carbon disulfide	75-15-0
F005	Isobutyl alcohol	78-83-1
F005	Methyl ethyl ketone	78-93-3
F005	Pyridine	110-86-1
F005	Toluene	108-88-3
F006	Cadmium	7440-43-9
F006	Chromium	7440-47-3
F006	Cyanide	
F006	Lead	7439-92-1
F006	Nickel	7440-02-0
F006	Silver	7440-22-4
F007	Cadmium	7440-43-9
F007	Chromium	7440-47-3
F007	Cyanide	
F007	Lead	7439-92-1
F007	Nickel	7440-02-0
F007	Silver	7440-22-4
F008	Cadmium	7440-43-9
F008	Chromium	7440-47-3
F008	Cyanide	
F008	Lead	7439-92-1
F008	Nickel	7440-02-0
F008	Silver	7440-22-4

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
F009	Cadmium	7440-43-9
F009	Chromium	7440-47-3
F009	Cyanide	
F009	Lead	7439-92-1
F009	Nickel	7440-02-0
F009	Silver	7440-22-4
F010	Cyanide	
F011	Cadmium	7440-43-9
F011	Chromium	7440-47-3
F011	Cyanide	
F011	Lead	7439-92-1
F011	Nickel	7440-02-0
F011	Silver	7440-22-4
F012	Cadmium	7440-43-9
F012	Chromium	7440-47-3
F012	Cyanide	
F012	Lead	7439-92-1
F012	Nickel	7440-02-0
F012	Silver	7440-22-4
F019	Chromium	7440-47-3
F019	Cyanide	
F020	Unspecified	
F021	Unspecified	
F022	Unspecified	
F023	Unspecified	

EPA Code	Default Hazardous Contaminant	CAS Number
F024	1,1-Dichloroethane	75-34-3
F024	1,2-Dichloroethane	107-06-2
F024	1,2-Dichloropropane	78-87-5
F024	2-Chloro-1,3-butadiene	126-99-8
F024	3-Chloropropylene	
F024	Diethylhexyl phthalate	117-81-7
F024	Chromium	7440-47-3
F024	cis-1,3-Dichloropropylene	
F024	Hexachloroethane	67-72-1
F024	Nickel	7440-02-0
F024	trans-1,3-Dichloropropylene	
F025	1,1,2-Trichloroethane	79-00-5
F025	1,1-Dichloroethylene	75-35-4
F025	1,2-Dichloroethane	107-06-2
F025	Carbon tetrachloride	56-23-5
F025	Chloroform	67-66-3
F025	Hexachlorobenzene	118-74-1
F025	Hexachlorobutadiene	87-68-3
F025	Hexachloroethane	67-72-1
F025	Methylene chloride	75-09-2
F025	Trichloroethylene	79-01-6
F025	Vinyl chloride	75-01-4
F026	Unspecified	
F027	Unspecified	
F028	Unspecified	
F032	Unspecified	
F034	Unspecified	
F035	Unspecified	

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
F037	Acenaphthene	
F037	Anthracene	
F037	Benz(a)anthracene	56-55-3
F037	Benzene	71-43-2
F037	Benzo(a)pyrene	50-32-8
F037	Diethylhexyl phthalate	117-81-7
F037	Chromium	7440-47-3
F037	Chrysene	218-01-9
F037	Cyanide	
F037	Dibutyl phthalate	84-74-2
F037	Ethyl benzene	
F037	Fluorene	
F037	Lead	7439-92-1
F037	Naphthalene	91-20-3
F037	Nickel	7440-02-0
F037	Phenanthrene	
F037	Phenol	108-95-2
F037	Pyrene	
F037	Toluene	108-88-3
F037	Xylene	1330-20-7

EPA Code	Default Hazardous Contaminant	CAS Number
F038	Benzene	71-43-2
F038	Benzo(a)pyrene	50-32-8
F038	Diethylhexyl phthalate	117-81-7
F038	Chromium	7440-47-3
F038	Chrysene	218-01-9
F038	Cyanide	
F038	Dibutyl phthalate	84-74-2
F038	Ethyl benzene	
F038	Fluorene	
F038	Lead	7439-92-1
F038	Naphthalene	91-20-3
F038	Nickel	7440-02-0
F038	Phenanthrene	
F038	Phenol	108-95-2
F038	Pyrene	
F038	Toluene	108-88-3
F038	Xylene	1330-20-7
F039	Unspecified	

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
P001	Warfarin & salts (>0.3%)	81-81-2
P002	1-Acetyl-2-thiourea	591-08-2
P003	Acrolein	107-02-8
P004	Aldrin	309-00-2
P005	Allyl alcohol	107-18-6
P006	Aluminum phosphide	20859-73-8
P007	5-Aminomethyl 3-isoxazolol	2763-96-4
P008	4-Aminopyridine	504-24-5
P009	Ammonium picrate	131-74-8
P010	Arsenic acid	7778-39-4
P011	Arsenic pentoxide	1303-28-2
P012	Arsenic trioxide	1327-53-3
P013	Barium cyanide	542-62-1
P014	Thiophenol (aka Benzene thiol)	108-98-5
P015	Beryllium dust	7440-41-7
P016	Dichloromethyl ether	542-88-1
P017	Bromoacetone	598-31-2
P018	Brucine	357-57-3
P020	Dinoseb	88-85-7
P021	Calcium cyanide	592-01-8
P022	Carbon disulfide	75-15-0
P023	Chloroacetaldehyde	107-20-0
P024	p-Chloroaniline	106-47-8
P026	1-(o-Chlorophenyl)thiourea	5344-82-1
P027	3-Chloropropionitrile	542-76-7
P028	Benzyl chloride	100-44-7
P029	Copper cyanide	544-92-3
P030	Cyanides (soluble salts and complexes)	

EPA Code	Default Hazardous Contaminant	CAS Number
P031	Cyanogen	460-19-5
P033	Cyanogen chloride	506-77-4
P034	2-Cyclohexyl-4,6-dinitrophenol	131-89-5
P036	Dichlorophenylarsine	696-28-6
P037	Dieldrin	60-57-1
P038	Diethylarsine	692-42-2
P039	Disulfoton	298-04-4
P040	O,O-Diethyl O-pyrazinyl phosphorothioate	297-97-2
P041	Diethyl-p-nitrophenyl phosphate	311-45-5
P042	Epinephrine	51-43-4
P043	Diisopropylfluorophosphate (DFP)	55-91-4
P044	Dimethoate	60-51-5
P045	Thiofanox	39196-18-4
P046	alpha,alpha-Dimethylphenethylamine	122-09-8
P047	4,6-Dinitro-o-cresol	534-52-1
P047	4,6-Dinitro-o-cresol salts	534-52-1
P048	2,4-Dinitrophenol	51-28-5
P049	Dithiobiuret	541-53-7
P050	Endosulfan	115-29-7
P051	Endrin	72-20-8
P054	Aziridine	151-56-4
P056	Fluorine	7782-41-4
P057	Fluoroacetamide	640-19-7
P058	Fluoroacetic acid, sodium salt	62-74-8
P059	Heptachlor	76-44-8
P059	Heptachlor epoxide	1024-57-3
P060	Isodrin	465-73-6
P062	Hexaethyl tetraphosphate	757-58-4

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
P063	Hydrogen cyanide	74-90-8
P064	Methyl isocyanate	624-83-9
P065	Mercury fulminate	628-86-4
P066	Methomyl	16752-77-5
P067	2-Methylaziridine	60-34-4
P068	Methyl hydrazine	60-34-4
P069	2-Methylactonitrile	75-86-5
P070	Aldicarb	116-06-3
P071	Methyl parathion	298-00-0
P072	1-Naphthyl-2-thiourea	86-88-4
P073	Nickel carbonyl	13463-39-3
P074	Nickel cyanide	557-19-7
P075	Nicotine and salts	54-11-5
P076	Nitric oxide	10102-43-9
P077	p-Nitroaniline	100-01-6
P078	Nitrogen dioxide	10102-44-0
P081	Nitroglycerine	55-63-0
P082	N-Nitrosodimethylamine	62-75-9
P084	N-Nitrosomethylvinylamine	4549-40-0
P085	Octamethylpyrophosphoramide	152-16-9
P087	Osmium tetroxide	20816-12-0
P088	Endothall	145-73-3
P089	Parathion	56-38-2
P092	Phenyl mercury acetate	62-38-4
P093	Phenylthiourea	103-85-5
P094	Phorate	298-02-2
P095	Phosgene	75-44-5
P096	Phosphine	7803-51-2

EPA Code	Default Hazardous Contaminant	CAS Number
P097	Famphur	52-85-7
P098	Potassium cyanide	151-50-8
P099	Potassium silver cyanide	506-61-6
P101	Ethyl cyanide	107-12-0
P102	Propargyl alcohol	107-19-7
P103	Selenourea	630-10-4
P104	Silver cyanide	506-64-9
P105	Sodium azide	26628-22-8
P106	Sodium cyanide	143-33-9
P108	Strychnine and salts	57-24-9
P109	Tetraethyldithiopyrophosphate	3689-24-5
P110	Tetraethyl lead	78-00-2
P111	Tetraethylpyrophosphate	107-49-3
P112	Tetranitromethane	509-14-8
P113	Thallic oxide	1314-32-5
P114	Thallium selenite	12039-52-0
P115	Thallium (I) sulfate	7446-18-6
P116	Thiosemicarbazide	79-19-6
P118	Trichloromethanethiol	75-70-7
P119	Ammonium vanadate	7803-55-6
P120	Vanadium pentoxide	1314-62-1
P121	Zinc cyanide	557-21-1
P122	Zinc phosphide (>10%)	1314-84-7
P123	Toxaphene	8001-35-2
P127	Carbofuran	1563-66-2
P128	Mexacarbate	315-18-4
P185	Tirpate	26419-73-8
P188	Physostigmine salicylate	57-64-7

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
P189	Carbosulfan	55285-14-8
P190	Metolcarb	1129-41-5
P191	Dimetilan	644-64-4
P192	Isolan	119-38-0
P194	Oxamyl	23135-22-0
P196	Manganese dimethyldithiocarbamate	15339-36-3
P197	Formparanate	17702-57-7
P198	Formetanate hydrochloride	23422-53-9
P199	Methiocarb	2032-65-7
P201	Promecarb	2631-37-0
P202	m-Cumenyl methylcarbamate	64-00-6
P203	Aldicarb sulfone	1464-88-4
P204	Physostigmine	57-47-6
P205	Ziram	137-30-4

EPA Code	Default Hazardous Contaminant	CAS Number
U001	Acetaldehyde	75-07-0
U002	Acetone	67-64-1
U003	Acetonitrile	75-05-8
U004	Acetophenone	98-86-2
U005	2-Acetylaminofluorene	59-96-3
U006	Acetyl chloride	75-36-5
U007	Acrylamide	79-06-1
U008	Acrylic acid	79-10-7
U009	Acrylonitrile	107-13-1
U010	Mitomycin C	50-07-7
U011	Amitrole	61-82-5
U012	Aniline	62-53-3
U014	Auramine	492-80-8
U015	Azaserine	115-02-6
U016	Benz(c)acridine	225-51-4
U017	Benzal chloride	98-87-3
U018	Benz(a)anthracene	56-55-3
U019	Benzene	71-43-2
U020	Benzenesulfonyl chloride	98-09-9
U021	Benzidine	92-87-5
U022	Benzo(a)pyrene	50-32-8
U023	Benzotrichloride	98-07-7
U024	Dichloromethoxy ethane	111-91-1
U025	Dichloroethyl ether	111-44-4
U026	Chlornaphazin	494-03-1
U027	Dichloroisopropyl ether	108-60-1
U028	Diethylhexyl phthalate	117-81-7
U029	Methyl bromide (aka Bromomethane)	74-83-9

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
U030	4-Bromophenyl phenyl ether	101-55-3
U031	n-Butyl alcohol	71-36-3
U032	Calcium chromate	13765-19-0
U033	Carbon oxyfluoride	353-50-4
U034	Trichloroacetaldehyde (aka Chloral)	75-87-6
U035	Chlorambucil	305-03-3
U036	Chlordane	57-74-9
U037	Chlorobenzene	108-90-7
U038	Chlorobenzilate	510-15-6
U039	p-Chloro-m-cresol	59-50-7
U041	Epichlorohydrin	106-89-8
U042	2-Chloroethyl vinyl ether	110-75-8
U043	Vinyl chloride	75-01-4
U044	Chloroform	67-66-3
U045	Chloromethane (aka Methyl chloride)	74-87-3
U046	Chloromethyl methyl ether	107-30-2
U047	2-Chloronaphthalene	91-58-7
U048	2-Chlorophenol	95-57-8
U049	4-Chloro-e-toluidine hydrochloride	3165-93-3
U050	Chrysene	218-01-9
U051	Creosote	
U052	Cresols-mixed (aka Cresylic acid)	1319-77-3
U053	Crotonaldehyde	4170-30-3
U055	Cumene	98-82-8
U056	Cyclohexane	110-82-7
U057	Cyclohexanone	108-94-1
U058	Cyclophosphamide	50-18-0
U059	Daunomycin	20830-81-3

EPA Code	Default Hazardous Contaminant	CAS Number
U060	DDD	72-54-9
U061	DDT	50-29-3
U062	Diallate	2303-16-4
U063	Dibenz(a,h)anthracene	53-70-3
U064	Dibenz(a,i)pyrene	189-55-9
U066	1,2-Dibromo-3-chloropropane	96-12-8
U067	Ethylene dibromide	106-93-4
U068	Dibromomethane	74-95-3
U069	Dibutyl phthalate	84-74-2
U070	o-Dichlorobenzene	95-50-1
U071	m-Dichlorobenzene	541-73-1
U072	p-Dichlorobenzene	106-46-7
U073	3,3'-Dichlorobenzidine	91-94-1
U074	1,4-Dichloro-2-butene	764-41-0
U075	Dichlorodifluoromethane	75-71-8
U076	1,1-Dichloroethane	75-34-3
U077	1,2-Dichloroethane	107-06-2
U078	1,1-Dichloroethylene	75-35-4
U079	1,2-Dichloroethylene	15-60-5
U080	Methylene chloride	75-09-2
U081	2,4-Dichlorophenol	120-83-2
U082	2,6-Dichlorophenol	87-65-0
U083	1,2-Dichloropropane	78-87-5
U084	1,3-Dichloropropylene	542-75-6
U085	1,2:3,4-Diepoxybutane	1464-53-5
U086	N,N'-Diethylhydrazine	1615-80-1
U087	O,O-Diethyl S-methyldithiophosphate	3288-58-2
U088	Diethyl phthalate	84-66-2

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
U089	Diethyl stilbestrol	56-53-1
U090	Dihydrosafrole	94-58-6
U091	3,3'-Dimethoxybenzidine	119-90-4
U092	Dimethylamine	124-40-3
U093	p-Dimethylaminoazobenzene	60-11-7
U094	7,12-Dimethylbenz(a)anthracene	57-97-6
U095	3,3'-Dimethylbenzidine	119-93-7
U096	alpha,alpha-Dimethyl benzyl hydroperoxide	80-15-9
U097	Dimethylcarbamoyl chloride	79-44-7
U098	1,1-Dimethylhydrazine	57-14-7
U099	1,2-Dimethylhydrazine	540-73-8
U101	2,4-Dimethylphenol	105-67-9
U102	Dimethyl phthalate	131-11-3
U103	Dimethyl sulfate	77-78-1
U105	2,4-Dinitrotoluene	121-14-2
U106	2,6-Dinitrotoluene	606-20-2
U107	Di-n-octyl phthalate	117-84-0
U108	1,4-Dioxane	123-91-1
U109	1,2-Diphenylhydrazine	122-66-7
U110	Dipropylamine	142-84-7
U111	Di-n-propylnitrosamine	621-64-7
U112	Ethyl acetate	141-78-6
U113	Ethyl acrylate	140-88-5
U114	Ethylenebisdithiocarbamic acid, salts & esters	111-54-6
U115	Ethylene oxide	75-21-8
U116	Ethylene thiourea	96-45-7
U117	Ethyl ether	60-29-7
U118	Ethyl methacrylate	97-63-2

EPA Code	Default Hazardous Contaminant	CAS Number
U119	Ethyl methane sulfonate	62-50-0
U120	Fluoranthene	206-44-0
U121	Trichloromonofluoromethane	75-69-4
U122	Formaldehyde	50-00-0
U123	Formic acid	64-18-6
U124	Furan	110-00-9
U125	Furfural	98-01-1
U126	Glycidylaldehyde	765-34-4
U127	Hexachlorobenzene	118-74-1
U128	Hexachlorobutadiene	87-68-3
U129	Lindane	58-89-9
U130	Hexachlorocyclopentadiene	77-47-4
U131	Hexachloroethane	67-72-1
U132	Hexachlorophene	70-30-4
U133	Hydrazine	302-01-2
U134	Hydrogen fluoride	7664-39-3
U135	Hydrogen sulfide	6/4/83
U136	Cacodylic acid	75-60-5
U137	Indeno(1,2,3-cd)pyrene	193-39-5
U138	Iodomethane	74-88-4
U140	Isobutyl alcohol	78-83-1
U141	Isosafrole	120-58-1
U142	Kepone	143-50-0
U143	Lasiocarpine	303-34-1
U144	Lead acetate	301-04-2
U145	Lead phosphate	7446-27-7
U146	Lead subacetate	1335-32-6
U147	Maleic anhydride	108-31-6

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
U148	Maleic hydrazide	123-33-1
U149	Malononitrile	109-77-3
U150	Melphalan	148-82-3
U151	Mercury	7439-97-6
U152	Methacrylonitrile	126-98-7
U153	Methanethiol	74-93-1
U154	Methanol	67-56-1
U155	Methapryrilene	91-80-5
U156	Methyl chlorocarbonate	79-22-1
U157	3-Methylcholanthrene	56-49-5
U158	4,4'-Methylene bis(2-chloroaniline)	101-14-4
U159	Methyl ethyl ketone	78-93-3
U160	Methyl ethyl ketone peroxide	1338-23-4
U161	Methyl isobutyl ketone	108-10-1
U162	Methyl methacrylate	80-62-6
U163	N-Methyl N'-nitro N-nitrosoguanidine	70-25-7
U164	Methylthiouracil	56-04-2
U165	Naphthalene	91-20-3
U166	1,4-Naphthoquinone	130-15-4
U167	1-Naphthylamine	134-32-7
U168	2-Naphthylamine	91-59-8
U169	Nitrobenzene	98-95-3
U170	p-Nitrophenol	100-02-7
U171	2-Nitropropane	79-46-9
U172	N-Nitrosodi-n-butylamine	924-16-3
U173	N-Nitrosodiethanolamine	1116-54-7
U174	N-Nitrosodiethylamine	55-18-5
U176	N-Nitro-N-ethylurea	759-73-9

EPA Code	Default Hazardous Contaminant	CAS Number
U177	N-Nitroso-N-methylurea	684-93-5
U178	Nitroso-N-methylurethane	615-53-2
U179	N-Nitrosopiperidine	100-75-4
U180	N-Nitrosopyrrolidine	930-55-2
U181	5-Nitro-o-toluidine	99-55-8
U182	Paraldehyde	123-63-7
U183	Pentachlorobenzene	608-93-5
U184	Pentachloroethane	76-01-7
U185	Pentachloronitrobenzene	82-68-8
U186	1,3-Pentadiene	504-60-9
U187	Phenacetin	62-44-2
U188	Phenol	108-95-2
U189	Phosphorus sulfide	1314-80-3
U190	Phthalic anhydride	85-44-9
U191	2-Picoline	109-06-8
U192	Pronamide	23950-58-5
U193	1,3-Propane sultone	1120-71-4
U194	n-Propylamine	107-10-8
U196	Pyridine	110-86-1
U197	p-Benzoquinone	106-51-4
U200	Reserpine	50-55-5
U201	Resorcinol	108-46-3
U202	Saccharin & salts	81-07-2
U203	Safrole	94-59-7
U204	Selenium dioxide	7783-00-8
U205	Selenium sulfide	7488-56-4
U206	Streptozotocin	18883-66-4
U207	1,2,4,5-Tetrachlorobenzene	95-94-3

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
U208	1,1,1,2-Tetrachloroethane	630-20-6
U209	1,1,2,2-Tetrachloroethane	79-34-5
U210	Tetrachloroethylene	127-18-4
U211	Carbon tetrachloride	56-23-5
U213	Tetrahydrofuran	109-99-9
U214	Thallium (I) acetate	563-68-8
U215	Thallium (I) carbonate	6533-73-9
U216	Thallium (I) chloride	7791-12-0
U217	Thallium (I) nitrate	10102-45-1
U218	Thioacetamide	62-55-5
U219	Thiourea	62-56-6
U220	Toluene	108-88-3
U221	Toluenediamine	25376-45-8
U222	o-Toluidine hydrochloride	636-21-5
U223	Toluene diisocyanate	26471-62-5
U225	Bromoform	75-25-2
U226	1,1,1-Trichloroethane	71-55-6
U227	1,1,2-Trichloroethane	79-00-5
U228	Trichloroethylene	79-01-6
U234	1,3,5-Trinitrobenzene	99-35-4
U235	Tris-(2,3-dibromopropyl) phosphate	126-72-7
U236	Trypan blue	72-57-1
U237	Uracil mustard	66-75-1
U238	Urethane (aka Ethyl carbamate)	57-79-6
U239	Xylene	1330-20-7
U240	2,4-D (aka Dichlorophenoxyacetic acid)	94-75-7
U240	2,4-D salts & esters	94-75-7
U243	Hexachlorocyclopentadiene	1888-71-7

EPA Code	Default Hazardous Contaminant	CAS Number
U244	Thiram	137-26-8
U246	Cyanogen bromide	506-68-3
U247	Methoxychlor	72-43-5
U248	Warfarin & salts (< 0.3%)	81-81-2
U249	Zinc phosphide (<10%)	1314-84-7
U328	o-Toluidine	95-53-4
U353	p-Toluidine	95-53-4
U359	2-Ethoxyethanol	110-80-5
U271	Benomyl	17804-35-2
U278	Bendiocarb	22781-23-3
U279	Carbaryl	63-25-2
U280	Barban	101-27-9
U364	Bendiocarb phenol	22961-82-6
U367	Carbofuran phenol	1563-38-8
U372	Carbendazim	10605-21-7
U373	Propham	122-42-9
U387	Prosulfocarb	52888-80-9
U389	Triallate	2303-17-5
U394	A2213	30558-43-1
U395	Diethylene glycol, dicarbamate	5952-26-1
U404	Triethylamine	121-44-8
U408	2,4,6-Tribromophenol	118-79-6
U409	Thiophanate-methyl	23564-05-8
U410	Thiodicarb	59669-26-0
U411	Propoxur	114-26-1

Table B-18. EPA Code/Hazardous Contaminant Lookup (Cont)

EPA Code	Default Hazardous Contaminant	CAS Number
B002	NY State Code	
B003	NY State Code	
B004	NY State Code	
B005	NY State Code	
B007	NY State Code	
CA121	CA State Code	
CA122	CA State Code	
CA132	CA State Code	
CA141	CA State Code	
CA151	CA State Code	
CA172	CA State Code	
CA181	CA State Code	
CA211	CA State Code	
CA213	CA State Code	
CA214	CA State Code	
CA221	CA State Code	
CA261	CA State Code	
CA343	CA State Code	
CA351	CA State Code	
CA352	CA State Code	
CA491	CA State Code	
CA791	CA State Code	

EPA Code	Default Hazardous Contaminant	CAS Number
W001	WA State Code	
WC01	WA State Code	
WC02	WA State Code	
WL01	WA State Code	
WL02	WA State Code	
WP01	WA State Code	
WP02	WA State Code	
WP03	WA State Code	
WT01	WA State Code	
WT02	WA State Code	

Table B-19. Haz Contaminant Concentration Units Valid Values

Code	Name
% vol	Percent Volume
g/l	Grams/Liter
g/ml	Grams/Milliliter
kg/l	Kilograms/Liter
mg/l	Milligrams/Liter
ppb	Parts per Billion
ppm	Parts Per Million
ug/l	Micrograms/Liter
ug/ml	Micrograms/Milliliter

Table B-20. Contaminant Basis Valid Values

Contaminant Basis Name	Abbreviated Name
Process Knowledge - Limited Confidence	PK - Limited
Process Knowledge - High Confidence	PK - High
Sampling/Analysis and Process Knowledge - Limited Confidence	SA/PK - Limited
Sampling/Analysis and Process Knowledge - High Confidence	SA/PK - High
Sampling & Analysis - Limited Confidence	SA - Limited
Sampling & Analysis - High Confidence	SA - High

Table B-21. Barriers and Associated Issues

Intersite Dependency (streams only)		Work Scope Definition (streams)		Work Scope Definition (TSD systems)	Technology (streams)		Technology (TSD systems)	TSD System or Equipment Limitations (TSD systems only)
Disposition /Inventory	Generation*	Disposition /Inventory	Generation*		Disposition /Inventory	Generation*		
Transportation Schedule Conflicts	Transportation Schedule Conflicts	Unformed Policy	Unformed Policy	Unformed Policy	Inadequate Packaging Capabilities (including containers)	Inadequate Retrieval Capabilities	Inadequate Receiving Capabilities	Lack of Characterization Equipment
Intersite Transfer Issues	Intersite Transfer Issues	Schedule Conflicts	Schedule Conflicts	Schedule conflicts	Inadequate Shipping Systems	Inadequate Characterization Capabilities	Inadequate Treatment Capabilities	Lack of Packaging Equipment (including containers)
Intersite Agreement Conflicts	Intersite Agreement Conflicts	Inadequate Funding	Inadequate Funding	Inadequate Funding	Inadequate Characterization Capabilities	Inadequate Storage Capabilities	Inadequate Characterization Capabilities	Lack of Receiving Equipment
Other Intersite Dependency Issues	Other Intersite Dependency Issues	Equity Concerns	Equity Concerns	Equity Concerns	Inadequate Storage Capabilities	Overall Project Technology Concerns	Inadequate Storage Capabilities	Insufficient Treatment TSD Systems
		Disposition Path Maturity	Disposition Path Maturity	Disposition Path Maturity	Overall Project Technology Concerns	Other Science or Technology Issues	Inadequate Disposal Capabilities	Insufficient Storage TSD Systems
		Compliance Issues	Compliance Issues	Compliance Issues	Other Science or Technology Issues		Inadequate Packaging Capabilities (including containers)	Insufficient Disposal TSD Systems
		License or Permit Issues	License or Permit Issues	Modification of TSD System			Overall Project Technology Concerns	Insufficient Capacity
		CERCLA or NEPA ROD Not Issued	CERCLA or NEPA ROD Not Issued	License or Permit Issues			Other Science or Technology Issues	Other TSD System or Equipment Limitation Issues
		Performance Assessment Not Complete	Performance Assessment Not Complete	CERCLA or NEPA ROD Not Issued				
		Consent Order or Agreement in Jeopardy	Consent Order or Agreement in Jeopardy	Performance Assessment Not Complete				
		Other Work Scope Definition Issues	Other Work Scope Definition Issues	Consent Order or Agreement in Jeopardy				

Intersite Dependency (streams only)		Work Scope Definition (streams)		Work Scope Definition (TSD systems)	Technology (streams)		Technology (TSD systems)	TSD System or Equipment Limitations (TSD systems only)
Disposition /Inventory	Generation*	Disposition /Inventory	Generation*		Disposition /Inventory	Generation*		
				Other Work Scope Definition Issues				
* Applicable to source streams when activity is Generation, Collect and Treat, Collect and Dispose, Collect and Recycle, Collect and Store, or In Situ Management.								

Table B-22. Intersite Dependency Risk Issues and Scores

Intersite Dependency Risk	
Risk Score	Risk Score Name
1	<ul style="list-style-type: none"> - Activity doesn't impact another site or Site concurrence has been documented if multiple sites involved - Receiving facility has verified WAC acceptability - Funding is identified in an approved PBS and facility is ready to receive the waste/material
2	<ul style="list-style-type: none"> - Activity doesn't impact another site or site concurrence has been documented if multiple sites are impacted - Receiving facility has verified WAC acceptability - Funding has been identified but no schedule for receipt or treatment of the waste/material exists
3	<ul style="list-style-type: none"> - Activity impacts another site, site concurrence has been verbally reached - Receiving facility is reviewing characterization data to determine WAC acceptability - Funding has been identified but no schedule for receipt or treatment of the waste/material exists
4	<ul style="list-style-type: none"> - Activity involves multiple sites, site concurrence has been verbally reached - The Waste Acceptance Criteria (WAC) has not been resolved - No funding has been identified and no schedule for receipt or treatment of the waste/material exists
5	<ul style="list-style-type: none"> - Activity involves multiple sites - No concurrence has been reached between sites

Table B-23. Work Scope Definition Risk Issues and Scores

Work Scope Definition	
Risk Score	Risk Score Name
1	<ul style="list-style-type: none"> - Project endpoints are determined and supported by stakeholders and Tribal Nations - Waste/material quantities and characteristics are well known - Process operations are identified and are supported by stakeholders and Tribal Nations - Final disposition location for waste/material has been identified and EIS ROD is pending
2	<ul style="list-style-type: none"> - Project endpoints are determined and supported by stakeholders and Tribal Nations - Waste/material quantities and characteristics are well known - Process operations are identified and are supported by stakeholders and Tribal Nations - Final disposition location for waste/material has been identified and EIS ROD is prepared
3	<ul style="list-style-type: none"> - Project endpoints are determined and is excepted to be acceptable to stakeholders and Tribal Nations - Waste/material quantities and characteristics are broadly known - Process operations are identified and are expected to be acceptable to stakeholders and Tribal Nations - Final disposition location for waste/material has been identified and EIS is being prepared
4	<ul style="list-style-type: none"> - Project endpoints are determined but may be controversial to stakeholders and Tribal Nations - Process operations are identified, but may be controversial to stakeholders and Tribal Nations - Final disposition location for waste/material has not been identified and approved
5	<ul style="list-style-type: none"> - Project endpoints are not determined or supported by stakeholders and Tribal Nations - Waste/material quantities and characteristics are unknown - Process operations are not identified or supported by stakeholders and Tribal Nations - Final disposition location for waste/material has not been identified

Table B-24. Technology Risk Issues and Scores

Technology Risk	
Risk Score	Risk Score Name
1	<ul style="list-style-type: none"> – The technical approach is being fully executed. All critical technologies are operating according to specification. – Investments in science and technology are not required to meet cost and schedule requirements.
2	<ul style="list-style-type: none"> – The technical approach has been approved for all aspects of the project. All technical challenges associated with executing the project are fully understood. – All critical technologies are fully developed and demonstrated on site or at another location with a similar waste/material type. – Investments in science and technology, if any, are limited to technical assistance associated with deployment of new technology on site.
3	<ul style="list-style-type: none"> – The technical approach has been identified for all aspects of the project. – All critical technologies have been identified and have been demonstrated, as a minimum, at a pilot scale. Current investments in science and technology have been identified and support the demonstration of the required technology at full scale.
4	<ul style="list-style-type: none"> – The technical approach has been identified for the majority of the project scope. – Most key technologies have been tested but some exist only at the laboratory scale. – Current investments in science and technology have been identified and adequately support problem resolution.
5	<ul style="list-style-type: none"> – The technical approach has not been identified for critical or significant portions of the project. – Key technologies do not exist for critical or significant portions of the project. – Current investments do not support the resolution of the project's science and technology needs.

Table B-25. TSD System or Equipment Limitation Risk Issues and Scores

Table B-25. TSD System or Equipment Limitations Issues	*Score				
	1	2	3	4	5
Lack of Characterization Equipment	<p>Characterization equipment can adequately perform all the required activities needed to characterize the waste or material for shipment, storage, treatment or disposal.</p> <p>Characterization equipment has sufficient capacity to handle all planned waste/material receipts</p> <p>Characterization equipment is fully operational</p> <p>Commercial vendor is operational and contracts are in place</p>	<p>Characterization equipment requires minor modification to characterize the waste/material</p> <p>Operating commercial vendor exists, but contracts are not in place</p>	<p>Characterization equipment is in place but is not operational</p>	<p>Characterization equipment is in place, but is antiquated</p> <p>Characterization equipment is not in place but plans to acquire the equipment exist</p> <p>Characterization equipment requires a major modification to be able to characterize the waste/material</p>	<p>Characterization equipment does not exist for characterizing this waste or material</p> <p>Characterization equipment exists but there are no plans to acquire it</p>

Table B-25. TSD System or Equipment Limitations Issues	*Score				
	1	2	3	4	5
Lack of Packaging Equipment (including containers)	Packaging equipment, including containers, can adequately handle the waste or material for shipment, storage, treatment or disposal Fully licensed or certified containers exist for this waste or material	Containers exist for the waste or material but requires licensing or certification	Packaging equipment is not sufficient to handle the waste or material	Containers exist for the waste or material but requires modification	Packaging and handling equipment does not exist Containers for this waste or material do not exist
Lack of Receiving Equipment	The receiving equipment can adequately handle the waste or material		The receiving equipment is not adequate for the waste or material		There is not any receiving equipment
Insufficient Treatment TSD systems	TSD system can treat waste or material, and any treatment wastes or byproducts TSD system is operational Commercial treatment TSD system is operational and contracts are in place	TSD system requires minor modification to disposition waste/material Operating commercial treatment TSD system exists, but contracts are not in place	Treatment TSD system exists but is not operational Treatment TSD system requires modification to treat waste/material	Treatment TSD system does not currently exist but plans for a new TSD system exist Treatment TSD system requires a major modification to be able to treat the waste/material	Treatment TSD system does not currently exist and plans for a new TSD system do not exist

Table B-25. TSD System or Equipment Limitations Issues	*Score				
	1	2	3	4	5
Insufficient Storage TSD systems	Storage TSD system is operational Commercial storage TSD system is operational and contracts are in place	Storage TSD system requires minor modification to store the waste/material Operating commercial storage TSD system exists, but contracts are not in place	Storage TSD system exists but is not operational	Storage TSD system does not currently exist but plans for a new TSD system exist Storage TSD system requires a major modification to be able to store the waste/material	Storage TSD system does not currently exist and plans for a new TSD system do not exist
Insufficient Disposal TSD systems	Disposal TSD system is operational Commercial disposal TSD system is operational and contracts are in place Customers for reusable material have been identified and contracts are in place	Disposal TSD system requires minor modification to disposition waste/material Operating commercial disposal TSD system exists, but contracts are not in place	Disposal TSD system exists but is not operational Customers for reusable material have been identified, but contracts are not in place	Disposal TSD system does not currently exist but plans for a new TSD system exist Disposal TSD system requires a major modification to be able to disposition waste/material	Disposal TSD system does not currently exist and plans for a new TSD system do not exist Customers for reusable material have not been identified
Insufficient Capacity	TSD system/equipment has sufficient capacity to handle all planned waste/material receipts There are sufficient containers to handle all planned waste/material receipts Commercial TSD system has sufficient capacity to handle all planned waste/material receipts		TSD system/equipment currently does not have capacity, but plans to increase the capacity exist There are not enough containers available		TSD system /equipment currently does not have capacity and plans to increase the capacity do not do not exist

Table B-25. TSD System or Equipment Limitations Issues	*Score				
	1	2	3	4	5
Other TSD System/ Equipment Limitation Issues	There are no other TSD system or equipment issues		There are other TSD system or equipment issues		There are other severe TSD system or equipment issues
* The score will be converted to colored symbols on waste/material disposition maps. 1 is shown as a green circle, 2 and 3 are shown as a yellow triangle, and 4 and 5 are shown as a red square.					